

MSA Carcase Competition Model.

Competition Rule Examples



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1. Foreword

The below point allocations and rules examples follow the current competition model pdf reporting styles. Please note that further rule combinations can be selected and reported via excel spreadsheet. These examples should be used in conjunction with the Class Set-up work instruction to select appropriate rules for your competition.

2. Individual Animal with no weight points.

2.1 Individual Report 1 Common (EMA Points)

Individual Report 1 Common (EMA Points)

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality								Total MSA	Marketing Specifications								Total MKT	Lean Meat Yield		Total LMY	Disqualification	Grand Total	
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	/?	/?	Rib QTR	RFT (mm)	Rib Points /??	P8 Fat	P8 Points /??	MC (1A-7)	MC Points /?	/?	EMA (cm2)	EMA Points /??	/?	/?	Class Placing

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market

	Specifications total. (only use if p8 fat is uploaded in the grading data)
Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Lean Meat Yield Section	
Rule Title	Rule Description
EMA Points option 1 (Most Common)	
EMA points (RIB and HSCW adjusted)	EMA points are calculated based on a formula using the ribbing site rib number of 11, 12, or 13 and the adjusted by the measured EMA and the HSCW. The result is assigned to the EMA points and applied to the Saleyard Meat Yield total.
EMA Points option 2 (Secondary option)	
EMA Points (Simple)	EMA points are assigned using the EMA in the grading data multiplied by a coefficient.
Total Rules	
Rule Title	Rule Description

Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing

Optional Rules	
Rule Title	Rule Description
	(Will use the opportunity index for carcasses that did not meet MSA eligibility)
EMA Coefficient Calculation	EMA Coefficient Calculation for complex EMA Formula. This scales the EMA for input into the EMA Points (RIB and HSCW adjusted)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

2.2 Individual Report 2 Common (LMY Points)

Individual Report 2 Common (LMY Points)

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality									Total MSA ???	Marketing Specifications							Total MKT ???	Lean Meat Yield			Total LMY ???	Disqualification	Grand Total	Class Placing
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	Rib QTR	RFT (mm)	Rib Points /??	P8 Fat	P8 Points /??	MC (1A-7)	MC Points /?	EMA (cm2)	LMY	LMY Points /?	???	???				

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)

Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Lean Meat Yield Section	
Rule Title	Rule Description
SMY/ LMY calculation	Calculation of LMY/SMY points using HSCW, EMA and Rib fat cold
LMY points	Calculating the LMY Points
Total Rules	
Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

2.3 Individual Report 3 Common (No Rib Points)

Individual Report 3 Common (No Rib Points)

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality									Total MSA /??	Marketing Specifications					Total MKT /??	Lean Meat Yield			Total LMY /??	Grand Total	
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index		RFT (mm)	P8 Fat	P8 Points /??	MC (1A-7)	MC Points /?		EMA (cm2)	LMY	LMY Points /?		/???	Class Placin

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)

Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Lean Meat Yield Section	
Rule Title	Rule Description
SMY/ LMY calculation	Calculation of LMY/SMY points using HSCW, EMA and Rib fat cold
LMY points	Calculating the LMY Points
Total Rules	
Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

2.4 Individual Report 4 Fat Distribution Points (EMA Points)

Individual Report 4 Fat Distribution Points (EMA Points)

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality										Total MSA	Marketing Specifications								Total Mkt	Lean Meat Yield		Total LMY	Disqualification	Grand Total	
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	/?/?	Rib QTR	RFT (mm)	Rib Points /?/?	P8 Fat	P8 Points /?/?	MC (1A-7)	MC Points /?	Fat Dist. Points /?	/?/?	EMA (cm2)	EMA Points /?/?	/?/?	/?/?		Class Placing	

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)

Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Competition Exhibitor Fat Distribution Score	Competition Exhibitor Fat Distribution Score
Lean Meat Yield Section	
Rule Title	Rule Description
EMA Points option 1 (Most Common)	
EMA points (RIB and HSCW adjusted)	EMA points are calculated based on a formula using the ribbing site rib number of 11, 12, or 13 and the adjusted by the measured EMA and the HSCW. The result is assigned to the EMA points and applied to the Saleyard Meat Yield total.
EMA Points option 2 (Secondary option)	
EMA Points (Simple)	EMA points are assigned using the EMA in the grading data multiplied by a coefficient.
Total Rules	
Rule Title	Rule Description

Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

2.5 Individual Report 4 Fat Distribution Points (EMA Points)

Individual Report 5 Fat Distribution Points (LMY Points)

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality									Total MSA	Marketing Specifications										Total MKT	Lean Meat Yield			Total LMY	Disqualification	Grand Total	
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	???	Dentition	Rib QTR	RFT (mm)	Rib Points	P8 Fat	P8 Points	MC (1A-7)	MC Points	Fat Dist. Points	???	EMA (cm2)	LMY	LMY Points	???	???		Class Placing	

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)

Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Competition Exhibitor Fat Distribution Score	Competition Exhibitor Fat Distribution Score
Lean Meat Yield Section	
Rule Title	Rule Description
SMY/ LMY calculation	Calculation of LMY/SMY points using HSCW, EMA and Rib fat cold
LMY points	Calculating the LMY Points
Total Rules	
Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score

Grand Total Single Animal	Grand Total Single Animal
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Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

2.6 Individual Report 6 All Points

Individual Report 6 All Points

Class 1 - Single Steer or Heifer



Exhibitor					Eating Quality								Total MSA	Marketing Specifications											Total MKT	Lean Meat Yield				Total LMY	Disqualification	Grand Total	
Name	Body No.	Tag	Live Weight	Breed	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	Denition	Rib QTR	RFT (mm)	Rib Points	P8 Fat	P8 Points	MC (1A-7)	MC Points	FC	FC Points	Fat Dist. Points	???	EMA (cm2)	EMA Points	LMY	LMY Points	???		???	Class Placing

This report style will allow you to select any combination of rules.

3. Individual Animal with weight points.

3.1 Weight Points Report 1 (HSCW Points)

Weight Points Report 1 (HSCW Points)

Class 1 - Single Steer or Heifer



Exhibitor				Eating Quality									Total MSA ???	Marketing Specifications								Total MKT ???	Lean Meat Yield			Total LMY ???	Disqualification	Grand Total
Name	Body No.	Tag	Live Weight	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	HSCW Points	Rib QTR	RFT (mm)	Rib Points ???	P8 Fat	P8 Points ???	MC (1A-7)	MC Points ?	Fat Dist. Points ?	EMA (cm2)	LMY	LMY Points ?	Class	Place		

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	

P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)
Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Competition Exhibitor Fat Distribution Score	Competition Exhibitor Fat Distribution Score
Open Class Weight Points (HSCW)	Points allocated on carcass HSCW, dependent on which range the HSCW falls.
Lean Meat Yield Section	
Rule Title	Rule Description
SMY/ LMY calculation	Calculation of LMY/SMY points using HSCW, EMA and Rib fat cold
LMY points	Calculating the LMY Points
Total Rules	

Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

3.2 Weight Points Report 1 (HSCW Points)

Weight Points Report 2 (HSCW Penalty)

Class 1 - Single Steer or Heifer



Exhibitor				Eating Quality									Total MSA ???	Marketing Specifications							Total MKT ???	Lean Meat Yield		Total LMY ???	Disqualification	HSCW Penalty	Grand Total	
Name	Body No.	Tag	Live Weight	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	Dentition	Rib QTR	RFT (mm)	Rib Points ???	P8 Fat	P8 Points ???	MC (1A-7)	MC Points ??	EMA (cm2)	EMA Points ???		???			Class Plac	

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	
P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)

Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Meat Colour Points and Penalties	Meat Colour points are assigned to the Meat Colour Points attribute per Meat Colour value and applied to the Market Specifications total.
Excess HSCW Penalty Points	Penalty points (multiplier defined in "coefficient" field) applied to each kg over threshold (defined in "limit" field)
Lean Meat Yield Section	
Rule Title	Rule Description
EMA Points option 1 (Most Common)	
EMA points (RIB and HSCW adjusted)	EMA points are calculated based on a formula using the ribbing site rib number of 11, 12, or 13 and the adjusted by the measured EMA and the HSCW. The result is assigned to the EMA points and applied to the Saleyard Meat Yield total.
EMA Points option 2 (Secondary option)	
EMA Points (Simple)	EMA points are assigned using the EMA in the grading data multiplied by a coefficient.
Total Rules	
Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points

EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score
Grand Total Single Animal	Grand Total Single Animal

Note: Where there are multiple rule options to award points to an attribute option have been outlined, do not add both options to a competition.

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.

4. Pen of three Competition.

4.1 Pen Report

Pen Report 1 (Full Results)

Class 1 - Pen of three Steers or Heifers



Exhibitor				Eating Quality								Total MSA /??	Marketing Specifications								Total MKT /??	Lean Meat Yield		Total LMY /??	Total Per body	Pen Bonus			Total Pen /?	Disqualification	Grand Total /???
Killdate	Body No.	Class	Tag	HSCW	HGP	Sex	Hump	Oss.	MSA Mb	AUS Mb	pH	MSA Index	RFT (mm)	Rib Points /??	P8 Fat Points /??	MC (1A-7)	FC (0-9)	Dent				EMA (cm2)	LMY			HSCW	LMY	MSA		Grand total points revert to zero (0)	

Mandatory rules	
Eating Quality Section	
Rule Title	Rule Description
MSA Index	MSA Index Only (Selects the MSA Index from the Grading File)
EQ Points	EQ Points are calculated based on a formula using the MSA index. The result is assigned to the EQ Points and applied to the Eating Quality total.
Market Specification Section	
Rule Title	Rule Description
P8 Fat option 1 (If P8 Fat is entered with the exhibitor information, use the below 2 rules)	
P8 Fat Combine	Grading file p8Fat or Exhibitor file p8fat (Required for non-integrated plants where the p8 Fat is uploaded in the exhibitor data)
P8 Fat Combine Points and Penalties	P8 fat depth points from grade or exhibitor file are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (Rule must be used if the p8 fat is uploaded with the exhibitor file)
P8 Fat option 2 (If P8 Fat is captured in the Grading file, use the below rule)	

P8 Fat Points and Penalties	P8 fat depth points are assigned to the P8 Points attribute per P8 value and applied to the Market Specifications total. (only use if p8 fat is uploaded in the grading data)
Rib Fat Points and Penalties	Rib Fat points are assigned to the RF Points attribute per Rib Fat value and applied to the Market Specifications total
Lean Meat Yield Section	
Rule Title	Rule Description
SMY/ LMY calculation	Calculation of LMY/SMY points using HSCW, EMA and Rib fat cold
LMY points	Calculating the LMY Points
Total Rules	
Rule Title	Rule Description
Market Spec Points Total	Calculating the Market Spec total point by adding P8 Points, MC points, Fc Points and Fat Distribution Points, and Rib Fat Points
EQ Points Total	Calculating MSA/EQS total points
LMY Points Total	Assign LMY Points total
Assign total scores	Assign total score

Pen Rules	
Rule Title	Rule Description
Pen Bonus EQ	Pen Bonus for EQ
Pen Bonus LMY	Pen Bonus for LMY
Pen Bonus HSCW	Pen Bonus for HSCW
Pen Total Score	Total Score for the pen
Grand Total Pen	Grand Total Pen

Optional Rules	
Rule Title	Rule Description
Penalty Points Total	Calculating the Penalty Points total by adding penalty column values

Optional Rules	
Rule Title	Rule Description
MSA Index and Opportunity Index Combine	Use Opportunity Index in the place of MSA Index if MSA Index is missing (Will use the opportunity index for carcasses that did not meet MSA eligibility)
Bruising Disqual	Allows the selection of a Bruising Disqualification based on an Aus-Meat bruise score.
Dentition penalties	Where the Dentition is outside of the range for the Class Dentition range the carcass is disqualified and the total points are set to 0.
Class weight range penalties (Live Weight)	Where the Live Weight is outside of the range for the Class Live Weight range the carcass is disqualified, and the total points are set to 0.
Class weight range penalties (HSCW)	Where the HSCW is outside of the range for the Class HSCW range the carcass is disqualified and the total points are set to 0.
Pen Size Validation	The number of cattle in the pen must be the same for each pen
Pen Mixed Sex Validation	The number of distinct sexes in a pen must be equal for each pen (DO NOT EDIT)