



**Asia-Pacific  
Economic Cooperation**

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## **Economy Roundtable – Focus on Traceability: The Australian Perspective**

Submitted by: Wine Australia



**7<sup>th</sup> Wine Regulatory Forum  
Ha Noi, Viet Nam  
11-12 May 2017**



APEC Wine Regulatory Forum  
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# Traceability- The Australian Perspective

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## Definition

The ability to track and trace any food through all stages of production, processing and distribution.

## Why is it needed?

- Risk management tool
- Ensuring food safety
- Trace risky food to its source
- Enables targeted product withdrawals
- Cultural and religious reasons- Halal/ Kosher/ Vegan/ Vegetarian
- Organic and Sustainable
- Authenticity (particularly important for wine given provenance implies quality and wine is low risk from a safety perspective)

## What does it look like?

- Supply chain participants must be able to identify where their products come from and where they are going
- The recorded details include name and address of supplier/customer, the nature of the product and the date of the transaction.

## Food Safety Requirements

- Standard 3.2.2 ([www.foodstandards.gov.au](http://www.foodstandards.gov.au))
- One step back (clause 5(2))- for imported food this requires the business to provide the name and address of the importer
- One step forward (clause 12 Food recall)
  - Production records
  - Volume produced
  - Batch or lot identification markings
  - Where distributed

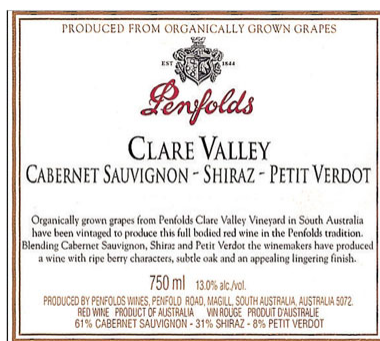
## Specific Commodity Requirements in Australia

- Seafood businesses
- Dairy production, transport and processing
- Poultry processors
- Egg producers and processors
- Seed sprout processors

## Specific requirements for wine

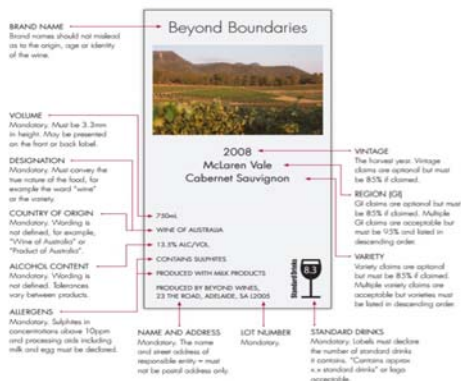
- Enforced by **Australian Grape and Wine Authority** (Wine Australia)
- Extends traceability beyond safety to include quality and authenticity

## Authenticity



# Authenticity

Example Australian Wine Label



## Australian Wine: What records must be kept?

INDIVIDUAL RECEIVAL DOCKET	
SEQUENCE / DOCKET #	1
DATE	18/2/2009
VINTAGE	2009
VARIETY	Chenin Blanc
REGION	Swan Valley
AMOUNT	5,73l
SUPPLIER DETAILS	William Vinicombe
ANALYSIS	
BAUME / ALC	11.9
PH	3.55
TA	6.7
SO2	
OTHER	

## Wine Goods Receival Register

Vintage 2009						Analysis				
Date	Variety	Region / Geographical Indication	Vineyard / Grower Name	Amount	Seq / Docket #	Bx	SH	TA	SO2	Other
18/2/2009	Chenin Blanc	Swan Valley	William Vinicombe	5.73t	1	11.9	3.55	6.7		
21/2/2009	Shiraz	Margaret River	Angelo D'Angelo	15.51t	2	13.5	3.6	6.1		
22/2/2009	Chardonnay	Pemberton	Western Vineyard Group	8.126t	3	11.5	3.56	5.9		

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## LIP Manual System – Blending Example

In this case a new record and a new **WINE CODE** is created for the blend.

- Details of the operation are recorded in the [Wine Processing Record](#) of the component wine.
- In the notes section the new **WINE CODE** of the new blend is clearly indicated.

Date	Variety	Region / Geographical Indication	Amount	Vineyard / Grower Details		Seq / Docket #										
18/2	Chenin Blanc	Swan Valley	5.73t	William Vinicombe		1										
FROM VESSEL		TO VESSEL		WINE CODE		10CHB-001										
DATE	VESSEL	START VOL	END VOL	OPERATION	VESSEL	START VOL	END VOL	GAIN/LOSS	FSO2	TSO2	Ph	TA	TEMP	Bx	Other	ADDITIONS / COMMENTS / NOTES
18/2				Crush & Press	T18	5.73t	3150									Free Run
					T2		860									Pressings
21/2	T18	3150	0	Rack Juice	T31	0	2900	-250								250L Lees to drain Combined FR & PSG. 120L Lees discarded to drain.
	T2	860	0	Rack Juice	T31	2900	3640	-120								
22/2				Inoculate Yeast	T31	3640	3640									Added QA23 yeast
15/3	T31	3640	0	Rack & Sulphur	T30	0	3500	-140								Racked & Sulphured post ferment 140L of yeast lees discarded.
15/3				Blending	T30	0	3500									Blending with Chardonnay <b>New Code 10WBlend-001</b>

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## LIP Manual System – Blending Example

1. New record created.
2. New **WINE CODE** assigned.
3. Records exactly the same information.
4. Notes section contain the **WINE CODE** of the component.
5. This is the double entry principle of traceability.

Date	Variety	Region / Geographical Indication	Amount	Vineyard / Grower Details										Seq / Docket #			
FROM VESSEL		TO VESSEL		OPERATION	WINE CODE										ADDITIONS / COMMENTS / NOTES		
DATE	VESSEL	START VOL	END VOL		VESSEL	START VOL	END VOL	GAIN/LOSS	SO2	T502	PH	TA	TEMP	De		Other	
15/3				Blending	T30	0	3500									10WBlend-001	Blending with Chardonnay From Code 10CHB-001
15/3	T41	5100	0	Rack / SO2 / Blend Post Ferm	T30	3500	8429	-171									Blending Post Ferment From Code 10CHA-001 171L of yeast lees discarded

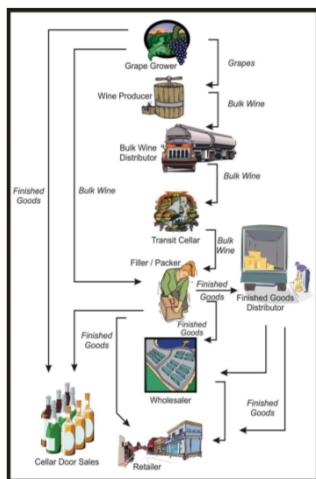
NEW WINE CODE

COMPONENT WINE CODES

**Records must be made within 3 days and retained for 7 years.**



# Wine Supply Chain



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Date \_\_\_\_\_ Supplier Name \_\_\_\_\_  
 ABN \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
 Contact \_\_\_\_\_

### WINE GOODS SUPPLY STATEMENT

(to be completed and signed by the grape grower, winemaker or responsible person)

TO: Customer Name \_\_\_\_\_  
 ABN \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone Number \_\_\_\_\_  
 Contact Person \_\_\_\_\_

RE: 2014 McLaren Vale Red (Name of Wine Goods / Grower Code)

Under the requirements of Part VIA of the Wine Australia Corporation Act 1980:  
 I/We hereby declare that the 20,000L (Tonnes / Litres)  
 Of Wine (Fresh Grapes / Grape Juice / Wine)  
 From Willunga Winery (vineyard ID / wine batch ID)\*  
 Dispatched from tank number 220 (juice & wine only)  
 Supplied to Havelockfield Winery (customer name)  
 On 5 February 2015 (date of supply)  
 Under order PO 1556 (booking / order / invoice reference #)

has the following vintage, varietal and Geographical Indication composition:

VINTAGE	%	VARIETY	%	GEOGRAPHICAL INDICATION	%
2014	80	Shiraz	50	McLAREN VALE	75
2013	20	Grenache	35	Langhorne Creek	20
		Merlot	15	Adelaide Hills	5

This statement signed by me (the responsible person) is true to the best of my knowledge and belief.  
 Name: James Rouse Title: Winemaker  
 Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Please ensure that all mandatory fields (marked in red) are completed accurately by the responsible person.  
 \*The wine batch ID MUST relate to the relevant wine processing records for Label Integrity Program traceability purposes.

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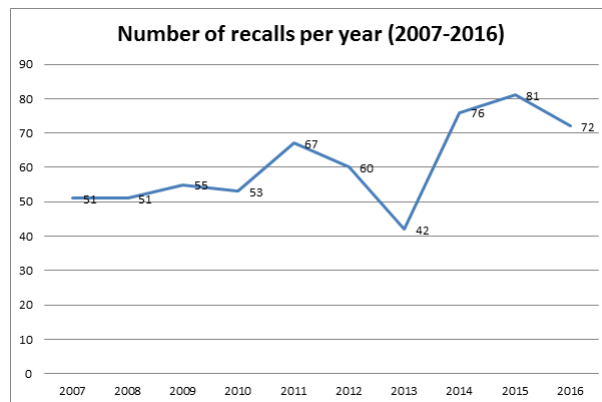
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## Export Flow Chart



## Product recalls (all commodities)



## Major reasons for recall (all commodities)

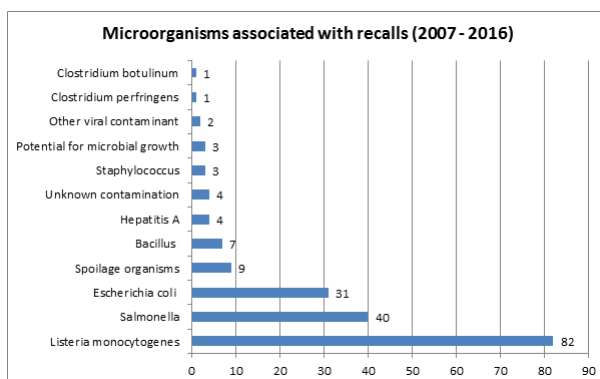
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Total
Undeclared allergen	9	10	17	13	24	17	16	27	39	33	205
Microbial contamination	21	15	28	14	13	25	12	26	13	20	187
Foreign matter	14	15	7	10	18	12	7	14	8	7	112
Biotoxin	0	2	1	2	4	1	2	3	15	6	36
Chemical/contaminant	3	4	1	10	5	1	0	1	0	1	26
Other	0	3	0	3	2	2	3	5	4	3	25
Labelling	4	2	1	1	1	2	2	0	2	2	17
<b>Total</b>	<b>51</b>	<b>51</b>	<b>55</b>	<b>53</b>	<b>67</b>	<b>60</b>	<b>42</b>	<b>76</b>	<b>81</b>	<b>72</b>	<b>608</b>

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## Microbiological issues (none related to wine)



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## Wine only subject to two recalls

- 11 May 2012 : Glass fault in a 2 litre fortified wine (6 variants)
- 18 March 2015 :Choking hazard with the plastic lid



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## New technologies to assist traceability

(source: vinologa.com)



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