



## Seeking the N in LLN

Tina Berghella

John Molenaar

Oggi Consulting

Manufacturing Learning Victoria

## Overview



### Purpose

- ▶ To explore the capacity of the VET workforce to meet the numeracy skills needs of working-aged Australians.

### Research questions

- ▶ What numeracy teaching qualifications and experience do VET practitioners have?
- ▶ What are the perceived and actual numeracy skill levels of VET practitioners?
- ▶ To what extent do VET practitioners understand the importance of numeracy skills of working-aged Australians generally and specifically of existing workers in the process manufacturing industries?
- ▶ What is the impact of the level of numeracy skills of VET practitioners on their ability to address the numeracy skills needs of existing workers in the process manufacturing industries?

# Methodology



## Literature search

### Data collection - focus groups

- 44 participants (20 LLN, 24 VOC, Melbourne, Sydney)
- Focus group questioning to explore understanding of the importance of numeracy skills in the workplace
- Individual self assessment against the ACSF numeracy indicators
- Individual numeracy assessment specific to process manufacturing

### Data collection – follow up 1-1 interviews

- 20 participants (8 LLN, 12 VOC, Melbourne, Sydney)
- Questioning to probe further into understanding of numeracy and practitioner numeracy skills and experience

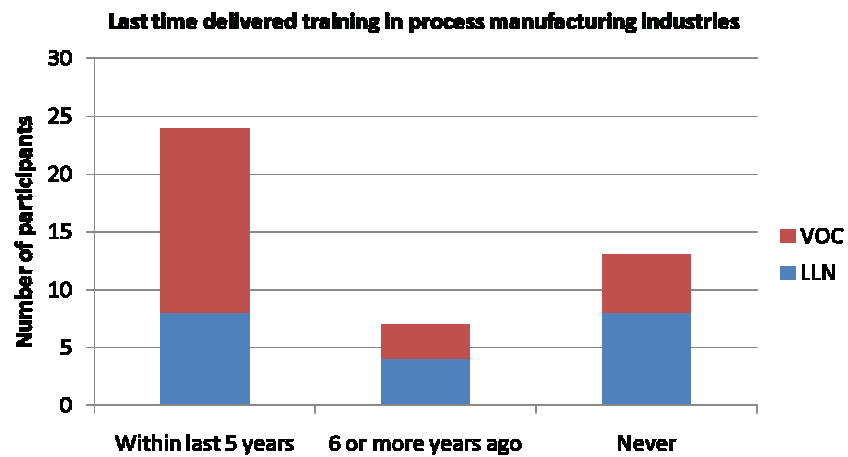
# Sample description



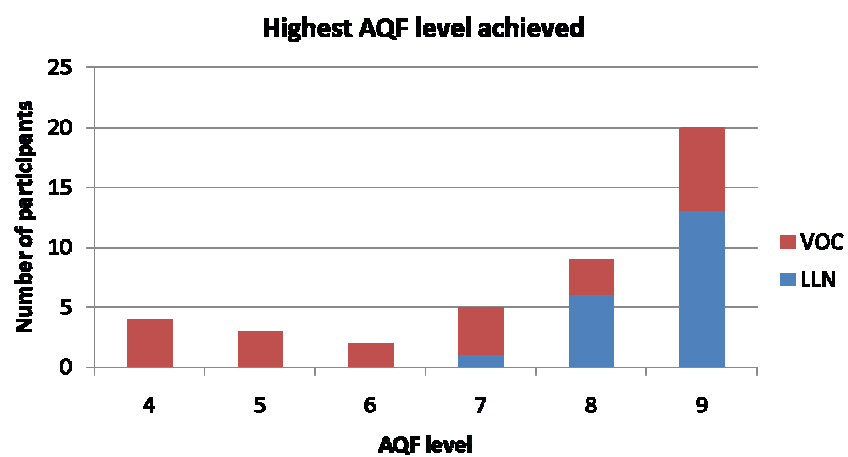
## Years of training experience

	LLN Specialists	Vocational Specialists
Minimum	<1	<1
Maximum	18	30
Range	18	30
Mean	6.5	9.6
Median	2	6.5

## Sample description



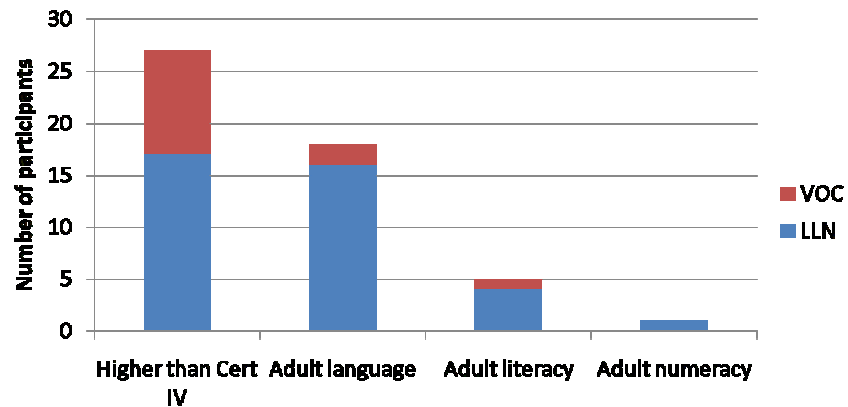
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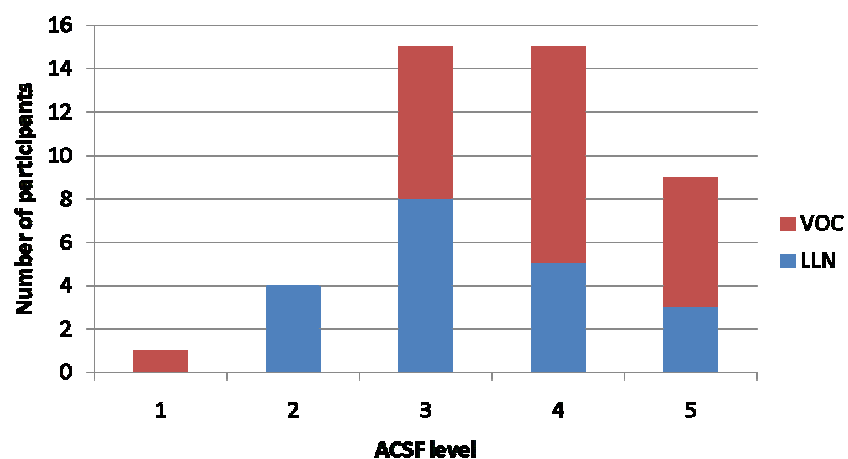
## Sample description



Education qualifications



## Self Assessment



## Individual Assessment tool



ACSF	Number of questions
1	1
2	5
3	9
4	8
5	1
Total	24

## Question 1



ACSF Numeracy level 2

Score	LLN Specialists	Vocational Specialists	All
Credit	55%	75%	66%
Insufficient evidence	40%	21%	30%
Not attempted	5%	4%	5%
Total	100%	100%	100%



## Question 2



ACSF Numeracy level 3

Score	LLN Specialists	Vocational Specialists	All
Credit	65%	83%	75%
Insufficient evidence	25%	17%	20%
Not attempted	10%	0%	5%
Total	100%	100%	100%



## Question 3



ACSF Numeracy level 4

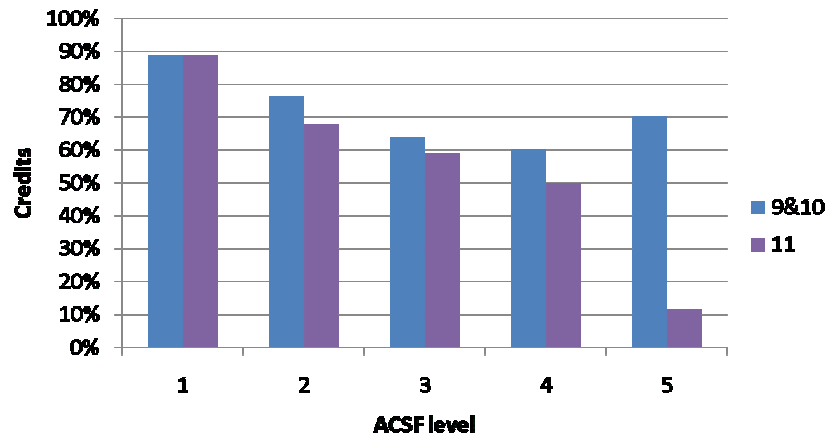
Score	LLN Specialists	Vocational specialists	All
Credit	60%	67%	64%
Insufficient evidence	35%	33%	34%
Not attempted	5%	0%	2%
Total	100%	100%	100%



## Findings



Individual Assessment – Credits per numeracy indicator



## Findings



ACSF level	LLN	Voc	Total
3	45%	46%	45%
4	40%	42%	41%

70% credits achieved

ACSF level	LLN	Voc	Total
3	30%	42%	36%
4	20%	25%	23%

80% credits achieved

*"We don't focus on our learners' numeracy skills because  
of our own lack of confidence in delivering numeracy  
skills programs"*

(Research participant)