



## 2017 UKOPA Technical Seminar

Process Safety Assessment  
Tool (PSAT) 2016 Update

Presented by John Ferrari on  
behalf of the Process Safety  
Working Group

# Process Safety Self Assessment Survey Participation

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- ❑ In 2010 – 12 Participants
  
- ❑ In 2012 – 11 Participants
  
- ❑ In 2014 – 15 Participants
  
- ❑ In 2016 – 21 Participants (plus 1 part-completion – including 1 new member (other new members are asked to participate next time))

# Process Safety Self Assessment Survey Overview

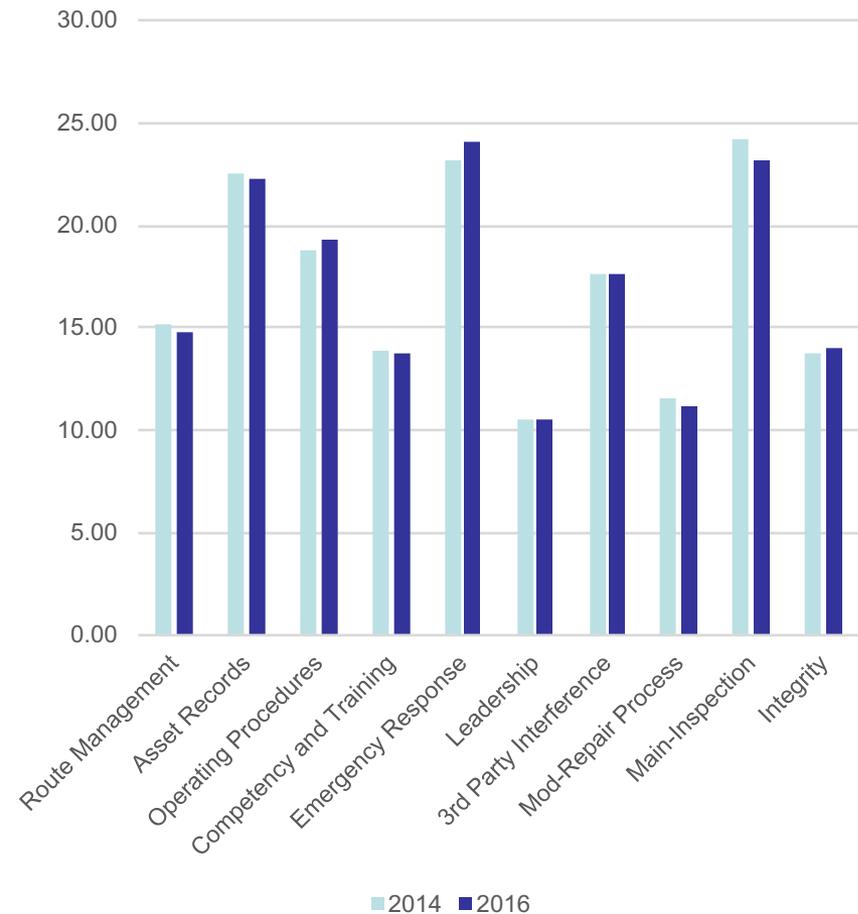
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- ❑ PSAT is a self-assessment tool for identifying how your organisation perceives it is performing against the 10 identified risk areas and 200+ activities
- ❑ Reports produced allow you to compare yourself against other organisations in UKOPA
- ❑ At the 2015 Technical Seminar, Paul Riley provide a presentation on how organisations can get the most from their PSAT scores
- ❑ It is what you do with the results that matters!

# Comparison Average Scores (2014-2016)

	2014	2016	Difference
Route Management	15.21	14.76	-0.45
Asset Records	22.47	22.28	-0.19
Operating Procedures Competency and Training	18.81	19.26	0.45
Emergency Response	23.13	24.05	0.92
Leadership	10.48	10.5	0.02
3rd Party Interference	17.61	17.63	0.02
Mod-Repair Process	11.56	11.19	-0.37
Main-Inspection	24.13	23.11	-1.02
Integrity	13.77	13.99	0.22

2014-2016 PSAT Average Results



# What will be provided by PSWG

	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	Min	Average	Max	Max Poss	
GIS	2.5	2	2.25	2.5	1	2	2	1.75	0.75	2.5	2.5	1	2.5	3	2	2.25	2	1.5	1.25	0	1	0.0	1.82	3.0	3.0	
Pipeline Records - GIS	3.5	3.5	3	2	2	1.5	3	3	2	2.5	1.5	2.5	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	2.52	3.5	3.5	
Review & Update	1.5	1.5	1	1.5	1.5	1.5	0.5	1.5	1.5	1	1.5	1.5	1.5	1.5	1.5	0.5	1	0.5	1	0.5	0.5	0.5	1.17	1.5	1.5	
Results and Data - Inspection Data	2.25	2.25	2.25	2.25	2.5	2.5	2.25	2.25	2.25	2.25	2.25	2.25	2.25	1.25	1.25	2.25	2.25	1	1.75	2.25	2.25	1.0	2.1	2.5	2.5	
Operating Records (Pressure Cycles, Temperature, start / stop)	1.75	1.75	1.75	1.75	1.75	1.75	0.25	1.75	1.75	1.25	1.75	1.75	0	0.75	1.75	0	1.25	0	1.75	1.25	0	0.0	1.23	1.8	1.8	
Asset Information	1	1.25	1.5	1.25	1.25	1.5	1.25	1.5	1.5	1.5	1.25	1.5	0.5	0.25	1.25	1	1.5	1.5	1.25	1.5	1.5	0.3	1.26	1.5	1.5	
Maintenance Records	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2	2.5	2.0	2.45	2.5	2.5	
Availability / Accessibility of critical information	2	1.25	1.5	1.5	1	1	1	2	1.5	2	2	2	1	1	1.25	2	2	1.75	1.25	1.25	1	1.0	1.49	2.0	2.0	
Operating Manuals	3	3	3.25	2.75	2.5	3.5	2.5	3.5	3.5	3	3.25	3.5	2.25	2.75	3	2.75	3.5	3.25	3.25	3.25	3.25	3.5	2.3	3.08	3.5	3.5
Maintenance & Operating Drawings	4	4	4	2.55	3.05	3	2	3	2	3	3.05	4	2.3	3.25	2.8	4	4	3	4	4	3	2.0	3.24	4.0	4.0	
Design & Construction	2.1	1.1	2.3	2.1	1.8	1.8	1.7	2	2	2	1.8	2.5	1.1	1.2	2.3	2.5	2.5	2	2.5	0.8	2.3	0.8	1.92	2.5	2.5	
<b>Total</b>	<b>26.1</b>	<b>24.1</b>	<b>25.3</b>	<b>22.65</b>	<b>20.85</b>	<b>22.55</b>	<b>18.95</b>	<b>24.75</b>	<b>21.25</b>	<b>23.5</b>	<b>23.35</b>	<b>25</b>	<b>18.9</b>	<b>19.45</b>	<b>22.1</b>	<b>22.25</b>	<b>25</b>	<b>19.5</b>	<b>23</b>	<b>19.3</b>	<b>20.05</b>	<b>18.9</b>	<b>22.28</b>	<b>26.1</b>	<b>28.3</b>	

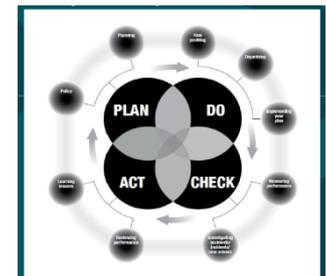
- Individual Report with scores anonymised –
- Breakdown by risk area and activity
  - Green – Highest score generally similar to max possible score
  - Light Green
  - Yellow – Average score
  - Amber
  - Red – Below average
- Results for 2016 and 2014 with comparison graphs for each risk area will be available by end May 2017
- UKOPA PSAT 2016 overall report to be published mid-2017

# How to use the reports

	A	B	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	Min	Average	Max	Max Poss	
GIS	2.5	2	2.25	2.5	1	2	2	1.75	0.75	2.5	2.5	1	2.5	3	2	2.25	2	1.5	1.25	0	1	0.0	1.82	3.0	3.0	
Pipeline Records - GIS	3.5	3.5	3	2	2	1.5	3	3	2	2.5	1.5	2.5	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	2.52	3.5	3.5
Review & Update	1.5	1.5	1	1.5	1.5	1.5	0.5	1.5	1.5	1	1.5	1.5	1.5	1.5	1.5	0.5	1	0.5	1	0.5	0.5	0.5	1.17	1.5	1.5	
Results and Data - Inspection Data	2.25	2.25	2.25	2.25	2.5	2.5	2.25	2.25	2.25	2.25	2.25	2.25	2.25	1.25	1.25	2.25	2.25	1	1.75	2.25	2.25	1.0	2.1	2.5	2.5	
Operating Records (Pressure Cycles, Temperature, start / stop)	1.75	1.75	1.75	1.75	1.75	1.75	0.25	1.75	1.75	1.25	1.75	1.75	0	0.75	1.75	0	1.25	0	1.75	1.25	0	0.0	1.23	1.8	1.8	
Asset Information	1	1.25	1.5	1.25	1.25	1.5	1.25	1.5	1.5	1.5	1.25	1.5	0.5	0.25	1.25	1	1.5	1.5	1.25	1.5	1.5	0.3	1.26	1.5	1.5	
Maintenance Records	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2	2.5	2.5	2.5	2.5	2.5	2	2.5	2.0	2.45	2.5	2.5	
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<b>Total</b>	<b>26.1</b>	<b>24.1</b>	<b>25.3</b>	<b>22.65</b>	<b>20.85</b>	<b>22.55</b>	<b>18.95</b>	<b>24.75</b>	<b>21.25</b>	<b>23.5</b>	<b>23.35</b>	<b>25</b>	<b>18.9</b>	<b>19.45</b>	<b>22.1</b>	<b>22.25</b>	<b>25</b>	<b>19.5</b>	<b>23</b>	<b>19.3</b>	<b>20.05</b>	<b>18.9</b>	<b>22.28</b>	<b>26.1</b>	<b>28.3</b>	

## Suggested approach

- Review areas which are red or amber
- Consider whether you have a real gap (e.g. Leak Detection – N/A for gas lines)
- Decided whether level risk warrants improving process or procedure
- Document decision for all red and ambers
- Develop action plan for areas requiring improvement
- Monitor Action Plan



PSWG will facilitate a “dating service” matching members who want to share

# Highlights

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- ❑ Significant increase in number of members completing the tool
- ❑ Despite the increase in numbers, the average scores have remained similar in each of the 10 Risk Areas
- ❑ There are a few key activities that have been highlighted red for a number of organisations –
  - ❑ Availability of critical information (Asset Records)
  - ❑ Communications (3rd Emergency Response)
- ❑ PSWG will be liaising with the relevant UKOPA working groups to identify further actions

## Next Steps

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- ❑ Individual Member Reports to be provided by end of May 2017
- ❑ Members can utilise the information to prepare individual action plans – where required
- ❑ Reminder that Paul Riley's presentation for making best use of your PSAT results is available in the members centre (2015 Technical Seminar Folder)
- ❑ UKOPA Overview Report to be prepared by end of June 2017