

Apprenticeship Futures for the Science Industries

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Apprenticeship Reform &
Trailblazers Conference

6th October 2015

Apprenticeship reform in the science industry

Since October 2013 science industry employers have given up their day job to attend monthly meetings of the Life Science & Industrial Science Trailblazer group.

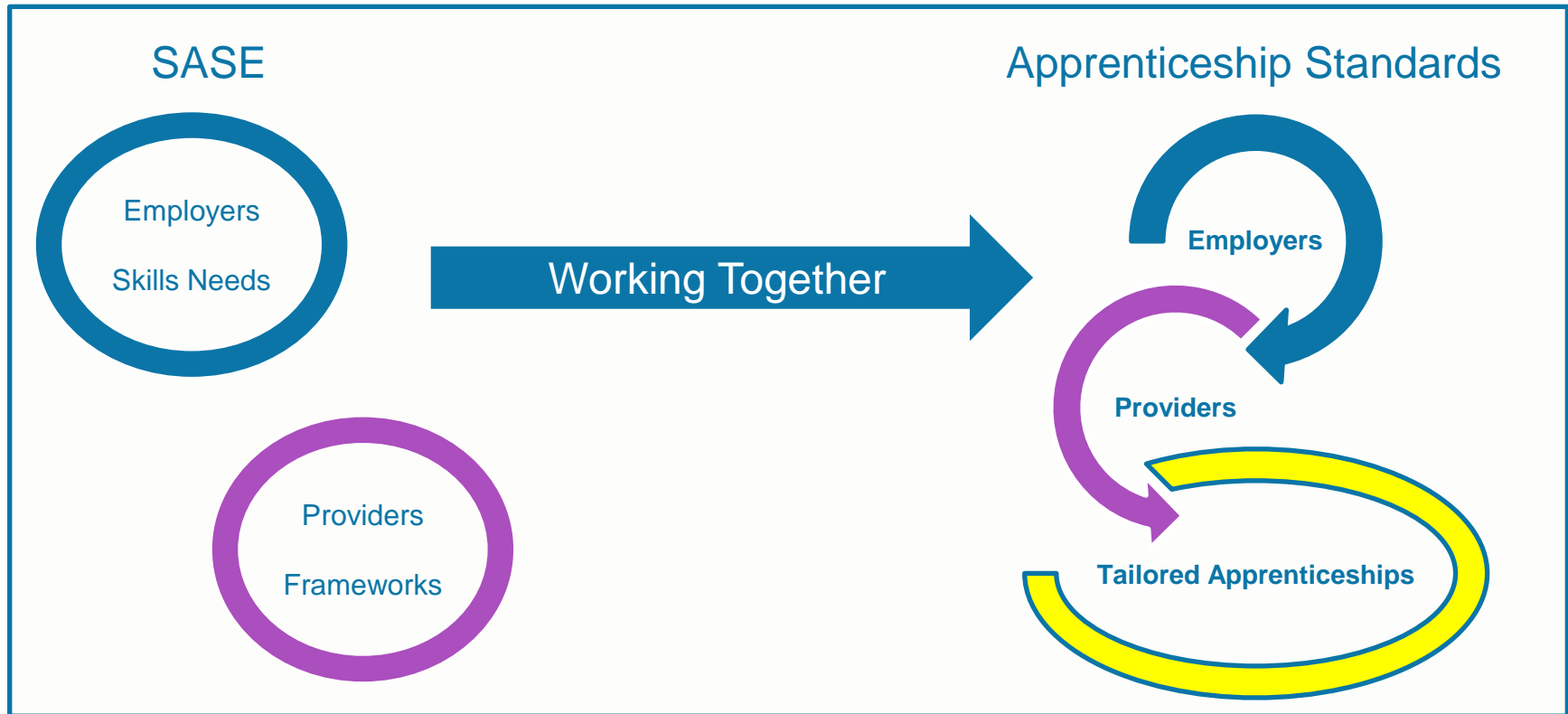
These science industry employers have worked together as the Trailblazer group with BIS and SIAS to shape the reality of apprenticeship reform for their companies and their industry.

Since September 2014, 13 science industry companies have been using two new science industry standards for their apprenticeships with a combined cohort of over 40 apprentices.

Why?



Apprenticeship Reform Opportunities for Employers & Providers



Apprenticeship Standards



Training Outcomes

Work-based Learning guides



Apprentice Training Plan

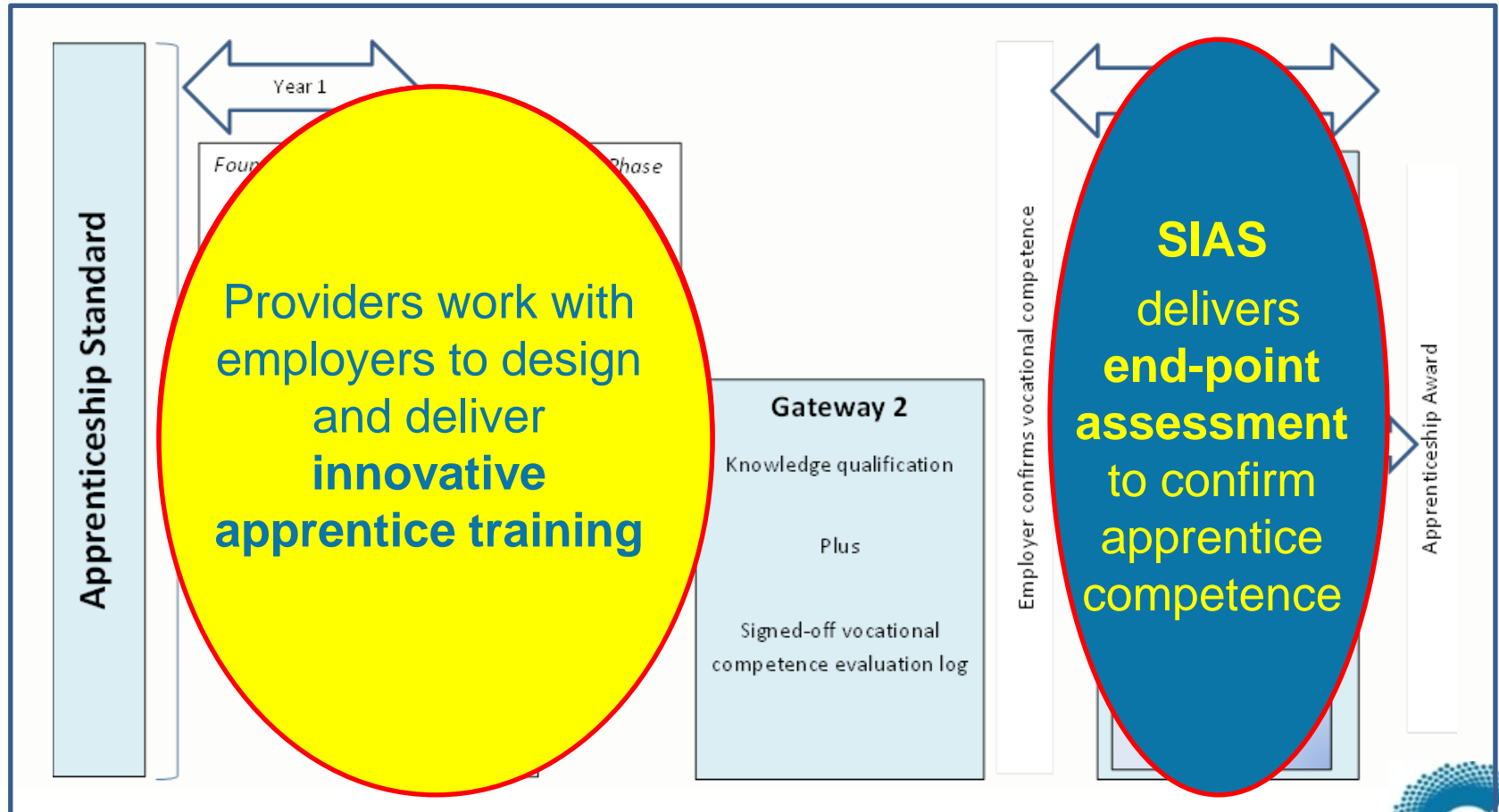


From Frameworks & Qualifications to Standards & End- Point Assessment

With the support of SIAS, LS&IS Trailblazer has developed four new Apprenticeship standards and their associated assessment plans:

Apprenticeship Standard	Level	Equivalent SASE framework
Science Manufacturing Technician	3	Process Manufacturing Pathway 1: Process Operator/ Technician
Science Industry Maintenance Technician	3	Process Manufacturing Pathway 2: Process Engineering Maintenance
Laboratory Technician	3	Laboratory & Associated Technical Activities (LATA)
Laboratory Scientist	5/6	Life Science & Chemical Science Professional - Higher Apprenticeship

Apprenticeship reform gives employers the freedom and funding to choose how they train apprentices



Why did we set up SIAS

SIAS is a new assessment body that satisfies the BIS requirements for independent end-point assessment.

SIAS has been designed to meet the employer specification in the assessment plans.

SIAS will be the assessment service of choice for science industry employers.

Apprenticeship reform created this new business opportunity for SIAS.

Find out more:

W: www.siasuk.com (launching soon)

E: info@siasuk.com



Cogent skills
for science industries



Jayne Edwards-
Operations Director

5 considerations:

1. **Cogent & the Science Industries**
2. **Who needs Science?**
3. **Which Employers?**
4. **What do they want ?**
5. **The future - a perfect storm for science?**



1. Cogent & the Science Industries

- From Cogent SSC to Cogent Skills
- Employer led
- Cogent supports on:
 - Policy & research
 - Government co- investment
 - Skills & innovation
 - Delivery partners



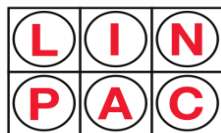
2. Who needs science?

- High value science sector - over £25bn in GVA to the UK economy
- 585,000 employees
- 39 – 45% report difficulties in recruiting a STEM skilled workforce
- Over 20% of the workforce is over 55
- = grow your own at all levels



3. Which employers?

59% SME



4. What do they want?

- **Fit-for-purpose apprenticeship programmes**

Case study: Pfizer's

*Science Manufacturing Technician
delivery by MMU, East Kent College,
Outward Bound Trust & employer*

- **Simplification & credible support**
 - Sector expertise
 - ATA



5. Perfect storm?



“Drive to the bottom”?

Alison Wolf – *“Time and again, ministers sign up to ambitious but general quantitative targets, as the current government has just done. This means that they too have a strong interest in encouraging rapid expansion of easy and cheap courses and awards”.*

- **John Allan, Chairman FSB** – *“The increasing focus on vocational on-the-job training is the right approach but we must not let the drive for greater numbers come at the expense of quality”*

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