



## Purpose & Scope

This governance framework ensures that apprenticeship provision in NDT meets regulatory requirements, ensures safety, maintains assessment integrity, and aligns with industry standards.

## Policy Statement

This policy sets out the organisation's approach to implementing an AI-inspired governance framework to enhance the quality, integrity, and safety of Non-destructive Testing (NDT) apprenticeship programmes.

The framework ensures that decision-making, curriculum design, assessment practices, data management, and operational oversight are transparent, evidence-based, and aligned with sector best practice.

The policy supports compliance with:

- Ofsted Education Inspection Framework (EIF)
- DFE (Department of Education) Funding Rules
- Awarding Organisation requirements
- Health & Safety Executive (HSE) expectations

## Purpose of the Framework

The AI-Inspired Governance Framework enhances organisational rigour by:

- Strengthening quality assurance and strategic decision-making.
- Ensuring learning and assessment reflect current industry technologies, risks, and standards.
- Supporting early identification of risks related to safeguarding, performance, and compliance.
- Enabling data-driven insight to inform continuous improvement.
- Promoting fairness, accessibility, and ethical use of technology.

## Scope

This policy applies to:

- All NDT apprenticeship standards (e.g., UT, MT, PT, RT, ET).
- All staff involved in delivery, assessment, governance, or oversight.
- Apprentices and employers.
- All digital systems used for teaching, learning, monitoring or reporting.



## Governance Structure

Leadership Team (SLT) ensures:

- Alignment between apprenticeship delivery, industry expectations, and organisational strategy.
- Risks are monitored through AI-inspired dashboards and performance indicators.
- Safeguarding, Prevent, EDI and Health & Safety priorities are embedded across provision.
- Ethical oversight of technology-supported processes.

## Governance Board

Meets monthly to:

- Review NDT apprenticeship performance, compliance, and learner outcomes.
- Analyse data on retention, progress, assessment readiness, EPA success, and employer engagement.
- Review curriculum developments and ensure alignment with industry advances (e.g., digital NDT systems).
- Consider apprentice voice, employer feedback, and tutor observations.

## AI-Inspired Principles Embedded in Governance

Data-Driven Decision Making

- We utilise structured data sets to:
  - Predict learners at risk of underperformance.
  - Identify patterns in attendance, engagement, and off-the-job training.
  - Highlight curriculum topics requiring development based on learner outcomes.
- Inform CPD priorities for tutors

## Predictive Early-Warning Indicators

System-monitored triggers include:

- Low engagement on digital platforms
- Patterns of late submissions
- Irregular employer attendance
- Safeguarding or wellbeing markers

These indicators inform targeted interventions.



## Apprenticeships

### Continuous Improvement Cycle

The governance framework follows a cycle of:

**Identify** → **Analyse** → **Action** → **Evaluate** → **Improve** with each stage supported by data and tutor/employer/apprentice voice.

### Ethical and Responsible Use of Technology

We ensure:

- No automated decision directly determines learner outcomes without human oversight.
- No unfair bias is introduced into teaching, assessment, or monitoring processes.
- Apprentices understand how digital tools support their programme.

### Curriculum and Teaching Expectations

- Curriculum content must reflect modern NDT technologies (digital sensors, automated scanning, AI-assisted defect recognition).
- Tutors must embed British Values, Prevent, and safeguarding within technical content (e.g., the ethical use of data, digital integrity, and cyber risks).
- Learning resources must be inclusive, accessible, and updated in response to data insights.
- Practical and theoretical teaching must emphasise safety, accuracy, and industry professionalism.

### Assessment and Internal Quality Assurance

#### Assessment Accuracy and Integrity

Tutors must:

- Follow awarding body specifications and occupational standards.
- Ensure judgements are evidence-based, consistent, and traceable. -

Use digital assessment tools responsibly and transparently.

### Internal Quality Assurance (IQA)

IQA activities must incorporate:

- Reviews of portfolio quality and audit trails.
- Standardisation across tutors using structured data insights.



## Apprenticeships

### End-Point Assessment (EPA) Readiness

AI-inspired dashboards highlight:

- Competence gaps
- Missed knowledge criteria
- Readiness against gateway requirements

### Safeguarding, Prevent and Wellbeing

Governance processes must identify risks linked to:

- Lone working/travel in industrial environments
- Exposure to harmful online content
- Extremism, radicalisation, or online influences
- Mental health pressures in high-risk technical training

The safeguarding team receives regular data insights to ensure appropriate intervention.

### Employer Engagement and Partnership Working

We ensure employers:

- Are clear on their roles in training, safety, and mentoring.
- Understand off-the-job requirements and progress expectations.
- Provide feedback that is analysed and used to improve programme quality.
- Support apprentices in safe and compliant NDT practice.

### Staff Training and Competence

All tutors delivering NDT apprenticeships must complete annual CPD covering:

- Advances in NDT technologies
- Safeguarding, Prevent and EDI
- Digital systems (Smart Assessor, learner tracking tools)
- Technical upskilling relevant to NDT methods and industry changes

### Monitoring, Review, and Evaluation

This policy and framework will be reviewed annually by the Quality Manager and the Governance Board.

Review includes:

- Performance data
- Audit outcomes
- Apprentice and employer feedback
- External regulatory changes
- Curriculum and technological developments

Ref: AI-Inspired Governance Framework for NDT



Apprenticeships

Continuous improvement actions will be documented in the Quality Improvement Plan (QIP).

**Policy Ownership**

**Responsible: Quality Manager**

**Review Frequency: Annually**

**Next Review Date: 4/12/2026**

**Signed** J goodfellow