

Here is the generated checklist:

## **Preliminary AI/ML Constituent Architecture Checklist**

### **Requirements Capture (Objective DA-02)**

- Has the applicant captured all necessary requirements for the AI/ML constituent?  
☐ Yes / No
- Have safety requirements been identified and included in the checklist?  
☐ Yes / No
- Are data management and learning management processes defined?  
☐ Yes / No
- Is human factors assessment considered?  
☐ Yes / No
- Has ethics-based assessment been conducted?  
☐ Yes / No

### **AI/ML Constituent Architecture Design (Objective DA-02)**

- Is the AI/ML constituent architecture designed to ensure safety and reliability?  
☐ Yes / No
- Are data management and learning management processes integrated with the AI/ML constituent architecture?  
☐ Yes / No
- Has human factors assessment been considered in the design?  
☐ Yes / No
- Is ethics-based assessment incorporated into the design?  
☐ Yes / No

### **Competencies and Training (Provision ORG-07)**

- Are end users' competencies needed to deal with AI-based systems identified?  
☐ Yes / No
- Has training syllabus been adapted to take into account AI-specificities?  
☐ Yes / No

- Have instructors and examiners received awareness training on AI?

☐ Yes / No

### **Design Organisation Case (Figure 23)**

- Are DOA processes potentially affected by the introduction of AI/ML identified?

☐ Yes / No

- Has DOA scope, products, capabilities, and SMS been assessed for AI/ML integration?

☐ Yes / No

- Is AI trustworthiness ensured through configuration and competencies?

☐ Yes / No

### **Final Checklist (for both author and reviewer)**

- Has the preliminary AI/ML constituent architecture met all requirements and design considerations?

☐ Yes / No

- Are data management and learning management processes integrated with the AI/ML constituent architecture?

☐ Yes / No

- Is human factors assessment considered in the design?

☐ Yes / No

- Has ethics-based assessment been conducted?

☐ Yes / No

Please note that this checklist is generated based on the provided text and may not be exhaustive. It's recommended to review and refine it further to ensure completeness and relevance.