



## Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: [apply@aaticd.co.za](mailto:apply@aaticd.co.za) · Website: [www.aaticd.co.za](http://www.aaticd.co.za)

### COURSE BROCHURE

# Publish Project Components Commissioning Process

Communication Studies and Language / Communication Studies

Unit Standard 246526 · NQF Level 5 · 15 Credits · 12 Days

## COURSE OVERVIEW

This course equips learners with the knowledge and skills to effectively commission the publishing of project components. It covers the processes of planning, coordinating, and finalising the publication of project deliverables, ensuring quality and adherence to project specifications. Learners will be able to manage the commissioning process from initiation to sign-off.

|                 |                                            |
|-----------------|--------------------------------------------|
| Category        | Communication Studies and Language         |
| Subfield        | Communication Studies                      |
| Unit Standard   | 246526                                     |
| Accreditation   | SAQA Accredited · NQF Level 5 · 15 Credits |
| Duration        | 12 days                                    |
| Training Method | Online, On-Campus, In-House                |
| Certificate     | Issued via AATICD LMS – verifiable online  |

## LEARNING OUTCOMES

- Demonstrate understanding of the commissioning process for publishing project components.
- Plan and prepare for the commissioning of project components according to project requirements.
- Coordinate and manage the publication of project components within defined timelines and budgets.
- Evaluate the quality and compliance of published project components against specifications.
- Implement corrective actions and finalise the commissioning process with stakeholder sign-off.

## WHO SHOULD ATTEND

- This course is ideal for project managers, coordinators, and team members involved in publishing project components, as well as individuals seeking to enhance their project management competencies in a publishing context.

## COURSE OUTLINE

### Day 1: Introduction to Commissioning and Project Components

- Overview of commissioning: definition, goals, and benefits
- Project lifecycle phases: planning, design, construction, commissioning, operation
- Key project components: equipment, systems, sub-systems, controls
- Roles and responsibilities in commissioning teams
- Commissioning standards and regulations in South Africa

### Day 2: Commissioning Planning and Documentation

- Elements of a commissioning plan: scope, schedule, resources
- Pre-commissioning activities: inspections, checks, readiness
- Documentation types: checklists, test sheets, reports, handover documents
- Quality assurance and control in documentation
- Case study: commissioning plan for a typical project

### Day 3: Pre-Commissioning Procedures and Safety

- Pre-commissioning activities: cleaning, flushing, pressure testing
- Electrical pre-commissioning: insulation testing, continuity checks
- Safety permits and lockout/tagout procedures
- Risk assessment and hazard identification
- Personal protective equipment (PPE) requirements

### Day 4: Commissioning of Mechanical Systems

- Mechanical equipment types and their commissioning requirements
- Alignment and balancing procedures
- Lubrication systems and verification
- Vibration analysis and monitoring
- Performance testing: flow rates, pressures, temperatures

### Day 5: Commissioning of Electrical and Instrumentation Systems

- Electrical testing: insulation resistance, power quality
- Motor meggering and rotation checks
- Instrument calibration: pressure, temperature, flow transmitters
- Control system verification: PLC inputs/outputs, SCADA
- Loop checks and functional testing

### Day 6: Commissioning of Control Systems and Software

- PLC/DCS commissioning: hardware checks, firmware updates
- Software testing: simulation, dry runs, full integration
- HMI verification: graphics, data points, navigation
- Alarm management and testing
- Safety instrumented systems (SIS) validation

### Day 7: Integrated Systems Testing and Start-Up

- Integrated test planning: scenarios, success criteria
- Step-by-step start-up procedures
- Monitoring and data collection during start-up
- Troubleshooting integration issues

- Handover to operations: documentation and training

#### **Day 8: Performance Verification and Acceptance Testing**

- Performance test protocols: duration, loads, conditions
- Key performance indicators (KPIs) for systems
- Data analysis and reporting
- Handling of non-conformances: root cause analysis
- Final acceptance sign-off process

#### **Day 9: Commissioning of Auxiliary Systems (HVAC, Fire, Security)**

- HVAC commissioning: airflow, temperature control, balancing
- Fire system testing: detectors, alarms, sprinklers, pumps
- Security system verification: access control, CCTV, alarms
- Interfacing with building management systems (BMS)
- Compliance with fire and safety regulations

#### **Day 10: Commissioning of Utilities (Water, Steam, Compressed Air)**

- Water system commissioning: pumps, treatment, piping
- Steam system: boiler controls, steam traps, pressure reduction
- Compressed air: compressors, dryers, filters, distribution
- Utility quality testing: purity, pressure, flow
- Redundancy and backup systems verification

#### **Day 11: Commissioning Documentation and Handover**

- Final documentation: test results, certificates, logs
- As-built drawings and schematics updates
- Operation and maintenance manuals
- Training sessions: system overview, procedures, safety
- Handover checklist and sign-off

#### **Day 12: Commissioning Project Management and Review**

- Commissioning project management: scheduling, resources, budgets
- Risk management during commissioning
- Quality management and auditing
- Lessons learned: feedback and improvement
- Final assessment and course wrap-up

## **ASSESSMENT & CERTIFICATION**

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **15 NQF credits** at **NQF Level 5**.

## PRICING (PER DELEGATE, EX-VAT)

| Delegates | Training Method      | Price per Delegate | Total       |
|-----------|----------------------|--------------------|-------------|
| 1         | Online               | R 43,000.00        | R 43,000.00 |
| 1         | In-House             | R 56,000.00        | R 56,000.00 |
| 1         | On-Campus (Pretoria) | R 64,600.00        | R 64,600.00 |

## UPCOMING SESSIONS

| Start       | End         | Method    | Venue                   |
|-------------|-------------|-----------|-------------------------|
| 07 Aug 2026 | 24 Aug 2026 | On-Campus | Pretoria, South Africa  |
| 07 Aug 2026 | 24 Aug 2026 | On-Campus | Lagos, Nigeria          |
| 10 Aug 2026 | 25 Aug 2026 | On-Campus | Durban, South Africa    |
| 10 Aug 2026 | 25 Aug 2026 | On-Campus | Mauritius               |
| 11 Aug 2026 | 26 Aug 2026 | On-Campus | Cape Town, South Africa |
| 12 Aug 2026 | 27 Aug 2026 | On-Campus | Dubai, UAE              |
| 13 Aug 2026 | 28 Aug 2026 | On-Campus | Pretoria, South Africa  |
| 14 Aug 2026 | 31 Aug 2026 | On-Campus | Abu Dhabi, UAE          |

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

## HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit [www.aaticd.co.za](http://www.aaticd.co.za), open the page for this course (Unit Standard 246526) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to [apply@aaticd.co.za](mailto:apply@aaticd.co.za) – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

### Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa  
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · [apply@aaticd.co.za](mailto:apply@aaticd.co.za) · [www.aaticd.co.za](http://www.aaticd.co.za)