



public works  
& infrastructure

Department:  
Public Works and Infrastructure  
**REPUBLIC OF SOUTH AFRICA**

## **TERMS OF REFERENCE:**

### **APPOINTMENT OF SERVICE PROVIDER TO DELIVER AUTODESK REVIT ARCHITECTURE ESSENTIAL COURSE**

#### **1. Purpose**

The Directorate: Human Resources Development requires the appointment of accredited and credible service provider to deliver Autodesk Revit Architecture Essential course.

#### **2. Background**

The Department of Public Works & Infrastructure has in line with the National Skills Development Act and Human Resources Development Strategy conducted a training needs analysis in Head Office for the current financial year to identify the training needs of the Units and developed a Training Plan for implementation of those needs.

Autodesk Revit Architecture Essential course was identified by three (03) officials in the Chief Directorate: Technical Services.

#### **3. Expected Outcomes/ Deliverables**

The course will assist the officials in creating a complete 3D architectural project model, including walls, doors, windows, components, floors, ceilings, roofs, stairs, and other basic tools commonly used by architectural professionals.

#### **4. The course content should cover the following areas:**

- Revit in a nutshell,
- User Interface (UI) tour, project navigation and view creation,
- Element section and manipulation,
- Visibility control and categorisation,
- Model Development methodology,
- Wall creation and manipulation,
- Floors, roofs and ceilings,
- Window, door and component use,
- System family editing,
- Basic Schedules and legends,



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- Stairs ramps and railings,
- Geometry formation and in place families,
- Massing tools and the building maker,
- Basic curtain walls,
- Room data and colour fill,
- 2D draughting and annotation,
- Sheet compilation and publication,
- Basic subdivision and collaboration, and
- Introduction to the principles of family editing.

**5. Duration of the course**

The course should be presented over a period of three (03) days.

**6. Total number to be trained**

Three (03) officials from Head Office are to attend the course.

**7. Certification**

The officials should be awarded Certificate of Attendance and Continuing Professional Development (CPD) points upon successful completion of the course.

**8. Training venue**

The training venue should be provided by the Service Provider.

**9. Training dates**

Training dates shall be determined by the appointed service provider.

**10. Specific professional experience**

The course facilitator should be chosen for their training experience and have proven relevant experience in management and facilitation of Autodesk Revit Architecture Essential course. The service provider must provide a competent facilitator for this course.

**11. Special Requirements**

It is a requirement that all service providers facilitating any type of training be registered/ accredited with the relevant Education Training Quality



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Assurance (ETQA) Body or Professional Body/Council and must submit a letter confirming accreditation/decision number.

**13.** All disbursements must be included within the cost per delegate.

**14. Enquiries**

All enquiries should be directed to:

**Ms Tumelo Sibandze**  
**Training and Development**  
**(012) 406 1157**