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| Title | **Perform AutoCAD 2D fundamentals** | | |
| Level | **2** | **Credits** | **6** |

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| Purpose | The competency standard is designed to provide knowledge and skills to create geometric entities quickly and accurately. In learning to use a CAD system, lines and circles are the first two, and perhaps the most important two, geometric entities that one should master the skills of creating and modifying. |

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| Classification ISCED | 0611 Computer use |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **B1.**  **Control display in drawings** | **Trainee will be able to:**  **P1.** Create AutoCAD drawing files.  **P2.** Save AutoCAD drawing files in proper format.  **P3.** Operate the AutoCAD visual reference commands Including:   * Zoom Extent * Drawing LIMITS * Status Bar * GRID Display * PAN Real time | **Trainee will be able to:**  **K1.** Describe the quality, condition, or fact of being exact and accurate which is also called Precision  **K2.** Identify the different AutoCAD visual reference commands |
| **B2:**  **Create basic drawings** | **Trainee will be able to:**  **P1.** Execute Line commands including:   * Format * Units Setup * LINE command * Coordinates * Interactive Input method * SNAP Option * World space | **Trainee will be able to:**  **K1.** Recognize the various Line commands |

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|  | * User coordinate system * World coordinate system * UCS icon Display   **P2.** Use Circle commands Including:   * + TTR   + Relative Coordinate   + Coordinate systems   + Cartesian coordinate system   + Absolute coordinates   + Positions   + Defining LINE   + Close option   + CIRCLE command   + TTT   **P3.** Define Positions using the Basic Entry methods | **K2.** Choose the required Circle command for specific purpose  **K3.** Recall the ARC command |
| **B3:**  **Manipulate objects as desire** | **Trainee will be able to:**  **P1.** Identify the ERASE command  **P2.** Recognize the AutoCAD Pan Realtime option | **Trainee will be able to:**  **K1.** Explain ERASE command  **K2.** Describe Selection window |