Unit 359 Co-ordinating and confirming dimensional control requirements of the work in the workplace

8 credits

Level: 3
UAN: **D/503/2747**

Unit aim:
The aim of this unit is to provide you with the skills and knowledge required to co-ordinate and communicate information with work colleagues, select, use and maintain measuring and recording equipment, confirm and measure dimensional control requirements of the work and perform a supervisory role.

*PER – Portfolio evidence reference SO – Site observation OQ – Oral question WQ – Written question WT – Witness testimony
PS – Product supplementary PD – Professional discussion

Assessment criteria that are practical activities are highlighted in bold.

1. Co-ordinate with and communicate accurate work information to work colleagues.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
1.1 **source accurate dimensional work information to allow the work being carried out to be positioned, aligned and levelled**							
1.2 **provide work colleagues with accurate dimensional work information to allow conformance with contract specifications**							
1.3 explain different methods of co-ordinating with work colleagues in order to enable them to position, align and level the work							
1.4 explain the different methods of communicating dimensional information with work colleagues.							

2. Confirm and measure dimensional controls and maintain them to the specified work requirements							
You must be able to**:**	*PER	SO	OQ	WQ	WT	PS	PD
2.1 identify, establish and confirm a range of dimensional controls, setting out points, lines and profiles to meet contract specifications							
2.2 **maintain accurate dimensional controls, setting out points, lines and profile in accordance with contract specifications**							
2.3 explain the different methods of measuring the following dimensional controls and setting out points, lines and profiles:							
a. lines							
b. levels							
c. angles							
d. distances							
e. curves							
f. calibrations							
g. tolerances							
2.4 describe different methods of confirming and maintaining dimensional control, setting out points, lines and profiles.							

3. Check and adjust measuring and recording equipment to the specified accuracy.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
3.1 **undertake checks and adjustments to a range of measuring and recording equipment relative to the occupational work environment or project type**							
3.2 explain the methods used to check mechanical, optical and electronic measuring and recording equipment applicable to the occupational area							
3.3 describe how to apply manufacturers' tolerances to adjust equipment to maintain the specified accuracy.							

4. Identify any deviations in dimensional controls and ensure they are corrected in accordance with work requirements.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
4.1 **locate and establish possible deviations in dimensional control on a range of work being undertaken**							
4.2 **plan and implement corrective action that allows the work to meet project requirements**							
4.3 describe the methods used to identify deviations in positioning, aligning and levelling, arising from:							
a. transfer of lines and levels							
b. use of wrong lines and levels							
4.4 explain the different methods of correcting deviations in position, level and alignment to meet work requirements.							

5. Identify circumstances and conditions that require revision of work practices.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
5.1 **investigate and establish ongoing work and compare to the contract specifications**							
5.2 explain how to identify circumstances and conditions associated with the following that may affect the work and require revisions to the work procedure/practice:							
a. land							
b. water							
c. obstacles							
d. climate variation							
e. live conditions							
f. utilities							
g. health and safety.							

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Declaration

I confirm that the evidence supplied for the above unit is authentic and a true representation of my own work. The work logged is my own work carried out during my normal work duties.

Candidate name:	
Candidate signature:	
Date:	

I confirm that this candidate has achieved all the requirements of this unit with the evidence listed. Assessment was conducted under the specified conditions and context, and is valid, authentic, reliable, current and sufficient.

Assessor name:	
Assessor signature:	
Date:	

IQA name:	
IQA signature:	
Date:	