LEV SUMMIT WORKING GROUP

Matrix of LEV knowledge guidance for key roles:

LEV Designer / Technical Sales

Last mod	lified	21-5	-2018

Торіс	Knowledge Requirements:	Employer-related personnel
Key: 1: Basic knowledge of topic 2: Good knowledge of topic 3: Detailed knowledge of topic		LEV Designer / Technical Sales
	ESSENTIAL LEARNING	D, G, M
	DESIRABLE LEARNING	H, I, L, N
	Properties of airborne contaminants: principles	3
	Recognition of hazards from process materials	3
0	Recognition of hazardous substances generated by the process	3
Preparation of LEV specification & quotation	Understanding of the nature of sources of airborne contaminants in the process	3
	Understanding of process requirements	3
	Understanding of statutory requirements for control	3
	Selection of a control benchmark	3
	Selection of a control requirement	3
	Components of LEV systems	3
	Characteristics of different hood types	3
	Principles of LEV hood design	3
	Selection of appropriate hoods for the application	3
	Principles of good ductwork design	3
	Need for system monitors & alarms	3
Design of LEV system	Characteristics of fans/air movers	3
	Characteristics of air cleaners/filters	3
	Air discharge and filtrate removal arrangements	3
	DSEAR/ATEX Requirement inc explosion relief	3
	Recirculation of filtered air	3
	Provision of makeup air/impact on general workroom ventilation	3
	Impact on workroom and external environment	3
	Ergonomic and safety considerations	3
	Arrangements for maintenance, cleaning, inspection and test	3
	Installation of hardware: mechanical	3
	Installation of hardware: electrical	3
	Balancing of system	3
	Technical performance testing	2
Installation & commissioning of LEV aug.	Qualitative assessment of control effectiveness	2
Installation & commissioning of LEV system	Quantitative assessment of control effectiveness	2
	Commissioning report	2
	Provision of System manual	3
	Provision of System logbook	3
	End User Training	2
	Pre-work risk assessment	1
	Visual examination of system	2
Thorough examination & test of LEV system	Technical performance measurement	2
	Assessment of control effectiveness	2
	Thorough examination and test report	1
	Modifications & changes	2
Changes & modifications	Re-commissioning	2
<u> </u>	User training	2
LEV Professional	Guide to typical relevent experience (in years) to include: • Portfolio • Interview • References	3+

	Guidanco	nformatic	BOHS Qualifications (or				
Guidance information				equivalent)			
ACGIH Industrial Ventilation Manual	HSG258:Controlling airborne contaminants at work	INDG408: Clearing the air - a simple guide to buying and using LEV	BESA TR40: Guide to Good Practice: LEV	P601: Thorough examination and testing of LEV systems inc. report submission.	P602: Basic design principles of LEV systems inc. report submission	P604: Performance evaluation and management of LEV systems inc. report submission	
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otes: Evidence of other experience e.g. UKAS, ILEVE, BUHS F-From January 2018, BUHS PBUI IS a pre-requisite to

Key:
1: Basic knowledge
2: Good knowledge of topic
3: Detailed knowledge of topic

BOHS Qualifications Key:

* Basic information on topic

** Detailed information on topic