## LEV SUMMIT WORKING GROUP

## Matrix of LEV knowledge guidance for key roles:

## **LEV Commissioning** Engineer

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Last modified 21-5-2018 OHS Qualificatio (or equivalent) Topic **Knowledge Requirements:** nployer-relat personnel P604: Performance evaluation and lanagement of LEV systems inc. report submission P602: Basic design principles of LEV systems inc. report submission Engineer LEV Commissioning E ESSENTIAL LEARNING N DESIRABLE LEARNING м \* \*\* Properties of airborne contaminants: principles 3 \*\* Recognition of hazards from process materials \* 3 \*\* Recognition of hazardous substances generated by the process 3 Preparation of LEV specification & guotation Understanding of the nature of sources of airborne contaminants in \*\* 3 the process 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 2 Installation of hardware: electrical 2 Balancing of system 3 \* \*\* Technical performance testing 3 \* \*\* Qualitative assessment of control effectiveness \* \*\* 3 nstallation & commissioning of LEV system Quantitative assessment of control effectiveness \* \*\* 3 Commissioning report \*\* 3 Provision of System manual \*\* 3 Provision of System logbook \*\* 2 \*\* End User Training 3 Thorough examination and test report 2 \*\* \*\* Thorough examination & test of LEV system Modifications & changes 3 \*\* Changes & modifications Re-commissioning 3 \*\* User training \*\* 3 Guide to typical relevent experience (in years) to include: • Portfolio • Interview • References LEV Professional 3

otes: Evidence of other experience e.g. UKAS, ILEVE, BUHS From January 2018, BOHS POUL 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