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1 Purpose

- 1.1 The purpose of this Standard is to specify the requirement to:
- a) identify, assess and manage health and safety risks to ensure they are reduced to as low as is reasonably practicable (ALARP),
 - b) Identify and assess environmental impacts to ensure that the principles associated with best available technique (BAT) are applied,
 - c) Maintain, develop and use the LU Quantified Risk Assessment (QRA) which communicates understanding of the risk from major hazards with the potential to cause fatality to LU customers and other members of the public and assists in managing those risks.

2 Scope

- 2.1 This standard applies to LU and its suppliers. The standard outlines how health and safety risks and environmental impacts will be assessed and controlled. The specific workplace and topic risk assessment requirements are contained within the TfL HSE Management System.

3 Requirements

3.1 Risk Assessment and Management Process

- 3.1.1 Health and safety risks and environmental impacts shall be assessed by competent persons.
- 3.1.2 LU and its suppliers shall assess the health and safety risks and environmental impacts arising from:
- a) their own operations,
 - b) interfaces with other parties and operators,
 - c) third party activities,
 - d) normal, abnormal and emergency conditions.
- 3.1.3 LU and its suppliers shall assess the health and safety risks and environmental impacts of all changes, activities or projects at the design, implementation, operational and decommissioning stages.
- 3.1.4 The risk assessment processes used by LU and its suppliers shall:
- a) identify health and safety risks and environmental impacts,
 - b) assess the suitability of existing controls or proposed controls for changes or new installations,
 - c) utilise existing risk assessments, including the LU QRA, where these are appropriate to the risks being assessed,
 - d) involve those who carry out the activities/operations being assessed and those who manage the risks or impacts,

- e) involve Health and Safety Representatives where the risks relate to employee health and safety,
- f) involve third parties e.g. other Operators if controls may require co-operation between the parties,
- g) apply a consistent judgement on the significance of risk, irrespective of the risk analysis method employed,
- h) estimate the level of risk as high, medium or low by considering likelihood and consequence of exposure to risk,
- i) determine if health and safety risks are ALARP and tolerable,
- j) identify any groups particularly at risk,
- k) record assumptions and data sources used,
- l) record justifications for decisions reached,
- m) record significant findings and conclusions from the assessments including any further mitigating measures required,
- n) identify mitigating measures,
- o) ensure that health and safety risks are ALARP and a safe system of work is in place,
- p) communicate the significant findings to all persons affected.

3.1.5 The results of risk and impact assessments shall be used to apply a risk based approach to improvement work.

3.1.6 Those risks that are classified as High shall be reviewed as a priority to determine whether there is a case for removing or reducing the associated risk or impact.

3.1.7 Where the risks are classified as High the details of the risk assessment shall be reviewed to identify whether the risk of fatality to any individuals in the group being assessed is intolerable.

3.1.8 Those risks classified as Medium shall be reviewed to determine whether there are any reasonably practicable measures which may be undertaken to reduce the risk.

3.1.9 Risks classified as Low shall be considered to be broadly acceptable, so long as existing controls are maintained.

3.1.10 Where high levels of risk are identified that cannot be reduced to an acceptable level, a Permit to Work shall be used as a documented, formal Safe System of Work, e.g. Permits to Work shall be used for hot work, electrical isolation and confined spaces.

3.2 Communication of Risk Assessment Results

3.2.1 Significant findings of the risk and impact assessment shall be communicated to all affected parties, including:

- a) those covered by the risk assessment,
- b) relevant Health and Safety Representatives,