

LOLER PROJECT TASK DESCRIPTIONS

EXPLANATION OF WORK PACKAGE **3** RESEARCH NON-DESTRUCTIVE TESTS

BRIEF: The aim of WP3 in association with needs analysis studies undertaken in WP2 is primarily to undertake research into potential non-destructive tests (NDT) of work at height equipment. Development of techniques and methodologies used must integrate with a potential European vocational standard for inspection training. The methods utilised must also supplement the live pilot tests to be undertaken as part of WP4. Therefore the methods must provide a quantitative science based approach to equipment testing in support of more traditional qualitative based observation techniques.

MAIN TASKS:

- 1- Review and evaluate existing inspection methodologies and investigate associated European norms & guidance available.**

SUB-TASKS:

- Desk based studies & background research
- Facilitate expert meetings and review potential testing methodologies

- 2- Undertake research trials and develop an innovative method of inspection that integrates with the development of a European standard.**

SUB-TASKS:

- Undertake meetings with textile and hardware manufacturers and technical specialists
- Design and develop a priority area for NDT & tools necessary

- 3- Undertake various exploratory destruction (DT) and non-destruction tests (NDT) in order to identify priority areas for current work and potential future research.**

SUB-TASKS:

- Undertake a range of NDT and design standard methodologies for use

- 4- Produce final NDT compatible with inspection standards.**

SUB-TASKS:

- Produce reports, video guidance of DT and NDT methods
- Ensure NDT priority methods are suitable for use by equipment inspectors