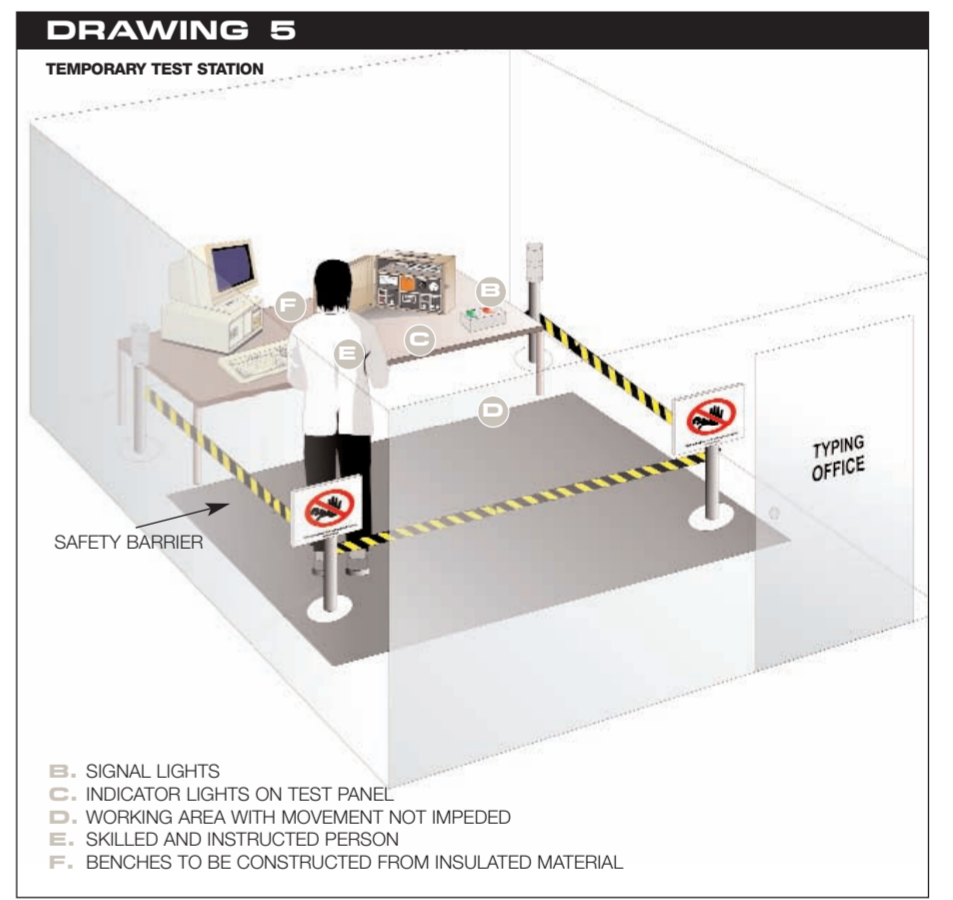
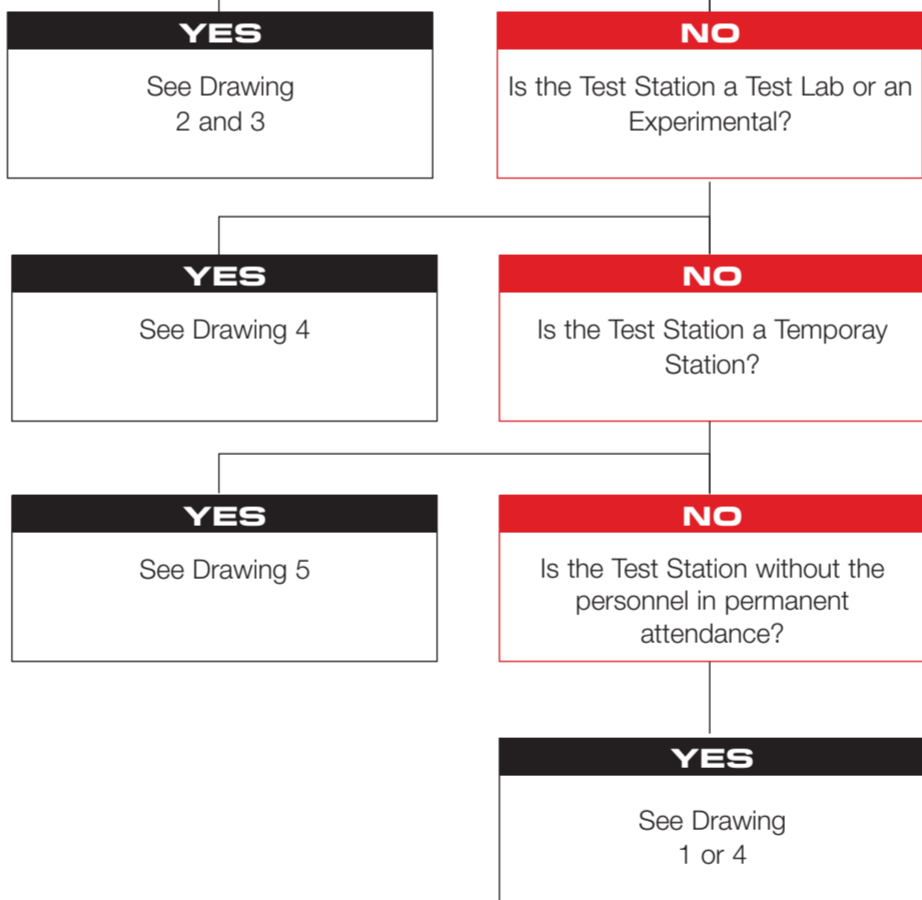
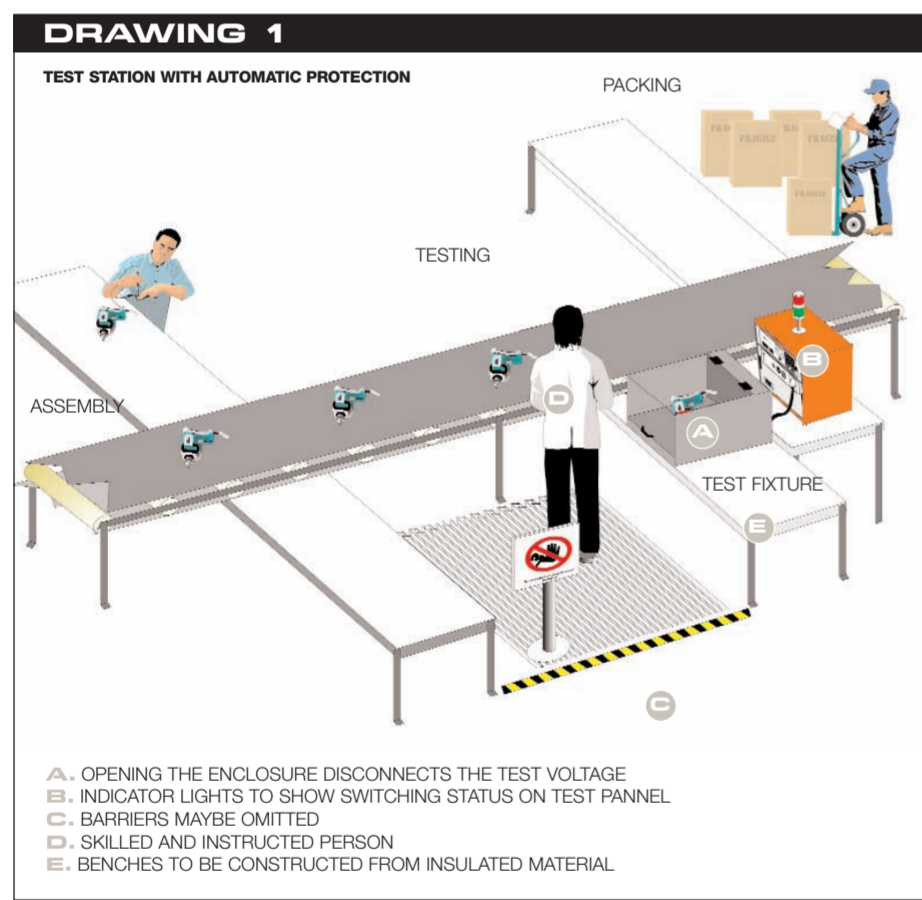
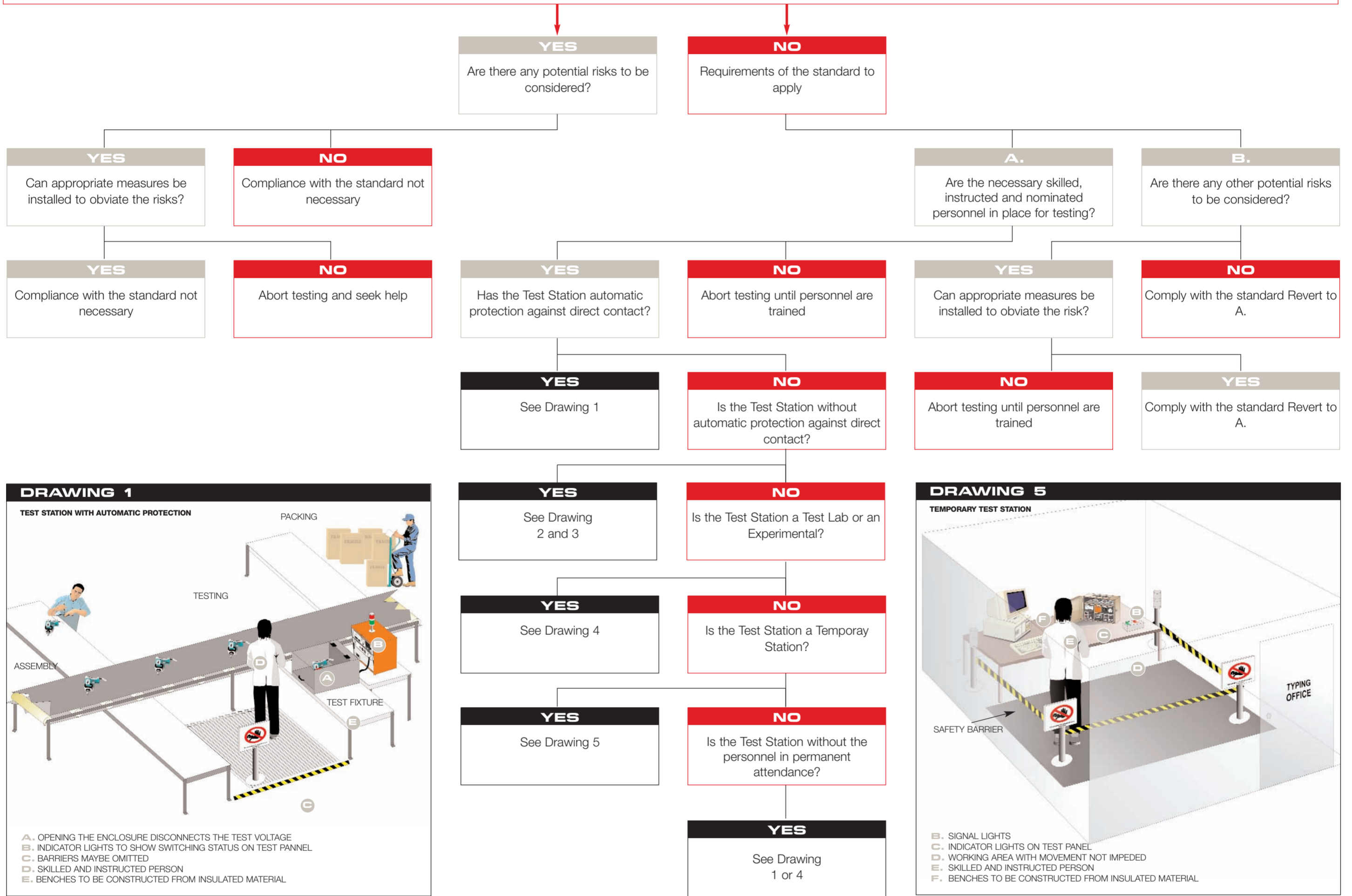


ELECTRICAL TEST INSTALLATIONS APPLYING EN 50191

- This guide does not replace the requirements for undertaking the testing of electrical equipment to be skilled or instructed and trained and continuously updated or retrained when necessary on the safety requirements, safety rules and company instructions applicable to their work.
- It will be noted from the flow chart that even if one of the below conditions has been satisfied and hence the requirements of the standard do not have to be applied, other potential risks must be considered.
- EN 50191 includes specific information in safety testing procedures with specific figures for prohibition zones and test areas, permissible body currents and contact voltages and barrier requirements which should be adhered to in a testing situation.

Does the test or test equipment satisfy one of the following conditions at live exposed parts?

1. The voltage at frequencies up to 500hz does not exceed 25v a.c. or 60v d.c. and complies with the requirements for SELV or PELV in accordance with HD 384.4.41
2. In case of voltages at frequencies up to 500hz exceeding 25v a.c., or 60v d.c., the resultant current through a non inductive resistance of 2kohms does not exceed 3mA a.c. (r.m.s), or 12mA d.c.
3. At frequencies above 500Hz no hazardous body currents or contact voltages occur. In these cases the national determined current and voltage values should be applied. If there are no nationally requirements determined references values for permissible body currents and contact voltages can be taken from the EN 50191 table on permissible body currents.
4. The discharge energy does not exceed 350mJ



ALL DISTANCES FOR CALCULATING BARRIER HEIGHT AND DISTANCE CAN BE FOUND IN EN 50191 APPENDICES

DISCLAIMER

The information contained in this document is for guidance purposes only. Reference should be made to current editions of all relevant Standards, Regulations and Guidance Notes before taking any action which could have health and safety implications. Neither Seaward nor any of its subsidiary organisations accept responsibility for claims arising as a result of the information contained in this document.



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