

# In situ assessment of structural timber using non-destructive techniques

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## Abstract

This paper summarizes the test recommendations for selected non-destructive testing (NDT) techniques as developed by members of the RILEM Technical Committee AST 215 “In situ assessment of structural timber”. The recommendations cover visual inspection, moisture content determination, species identification, digital radiography, and ground penetrating radar. The paper includes a matrix of common NDT to assess structural timber. The discussion of each technique is intended to provide users with sufficient information to understand the theoretical basis, typical equipment set up, and basic capabilities and limitations.

## Keywords

Visual inspection   Moisture content determination   Species identification  
Digital radiography   Ground penetrating radar

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The first author of this paper has made the main contribution; the remaining authors are listed in alphabetical order without consideration of their individual contributions.

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