EN14229 Review

Structural timber
Wood poles for overhead lines

Willie Clason TC124/Wg6 Chairman
- **TC124/Wg 6 will review this standard**

- **Wg 6 panel experts appointed**
  August 2016

- **Chairman – Willie Clason - Chaired**
  Wg 6 since 2007 (WEI)

- **Call for comments**
  - ESB - Eire
  - DHMV - Germany
  - TC/38 - Durability
  - CPR – CE marking
5\textsuperscript{th} percentile

- EN14229 Characteristic value for MOR
- 5\textsuperscript{th} percentile declaration
- CPR – CE marking declaration of performance reports 5\textsuperscript{th} percentile
- Historical mean MOR remains
- Allow overhead line designers to decide factors of safety.
New DF test data required

Wood Cost increases significantly above 20 metres

Composite costs levels out above 20 metres

Is composite a real threat for wood in high voltage scenario? **No European Standard for Composite Poles**

Environmental impact much lower for wood.
1. While Table E.1 suggests the values are “typical minimum characteristic values”. Where values are in parenthesis, for Douglas-fir for example, these are associated sample mean values.

   However, what should be taken as **minimum** threshold values for Bending Strength as opposed to mean?

2. In testing a sample of 120 Douglas fir poles, we noticed that the Bending Strength greatly exceeds the mean of 34N/mm². Minimum Bending Strength is 45N/mm², yet minimum MOE is circa. 8,000N/mm² for DF. Is the 10,795 realistic to apply
Review Period

- TC/124 Timescales to complete review is 31st December 2017
- TC/124 Plenary meeting May 2017 – London
- Review panel to be issued with comments for review April 2017. Electronic forum to be adopted ‘Livelink’
- Recommendations for amendments will be submitted to TC/124 before summer break
- Reviewed Standard will be up-issued Q1 2017 (3 languages)