


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

|   |  |   |
|---|--|---|
|  <p>Accredited to<br/>ISO/IEC 17025:2005</p> | <h3>ALSTOM Power Limited</h3> <p>Issue No: 016    Issue date: 15 September 2011</p>                                  |   |
|   | <p>ALSTOM Power Systems<br/>Thermal Products Transverse<br/>Technologies<br/>Newbold Road<br/>Rugby<br/>CV21 2NH</p> | <p>Contact: Mr M Day<br/>Tel: +44 (0)1788 531542<br/>Fax: +44 (0)1788 531295<br/>E-Mail: michael.c.day@power.alstom.com<br/>Website: www.alstom.com</p> |
| <p><b>Testing performed at the above address only</b></p>   |  |   |

### DETAIL OF ACCREDITATION

| Materials/Products tested         | Type of test/Properties measured/Range of measurement  | Standard specifications/ Equipment/Techniques used   |
|-----------------------------------|--|--|
| METALS, ALLOYS and METAL PRODUCTS | <p><u>Mechanical Tests</u></p> <p>Hardness:</p> <p>Brinell (10/3000 and 5/750)</p> <p>Vickers (HV0.1, 0.2, 0.5, 1, 5, 10 and 30)</p> <p>Tensile - ambient temperature (forces up to 100kN)</p> <p>Tensile - elevated temperature up to 950 °C (forces up to 100kN)</p> <p>Fatigue:</p> <p>Constant amplitude axial high cycle fatigue - ambient temperature to 800 °C (forces up to ± 75 kN)</p> <p>Load controlled low cycle fatigue - ambient temperature to 950 °C (forces up to ± 50 kN)</p> <p>Strain controlled low cycle fatigue - ambient temperature to 950 °C (Strain up to ± 10%)</p> | <p>BS EN ISO 6506-1:2005</p> <p>BS EN ISO 6507-1:2005</p> <p>BS EN ISO 6892-1:2009</p> <p>BS EN 10002-5:1991</p> <p>BS 3518:Part 1:1993<br/>BS 3518:Part 3:1963</p> <p>BS 3518:Part 1:1993<br/>BS 3518:Part 3:1963</p> <p>BS 7270:2006</p> |



1889  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**ALSTOM Power Limited**  
**Issue No: 016 Issue date: 15 September 2011**

Testing performed at main address only

| Materials/Products tested                  | Type of test/Properties measured/Range of measurement   | Standard specifications/ Equipment/Techniques used |
|--|---|--|
| METALS, ALLOYS and METAL PRODUCTS (cont'd) | <u>Mechanical Tests</u> (cont'd)<br><br>Stress relaxation<br>(temperature range ambient to 1000 °C)<br><br>Creep and Stress rupture<br>(temperature range ambient to 1000 °C) | BS EN 10319-1:2003<br><br>BS EN ISO 204:2009       |
| END  |   |  |