Dear Madam, Dear Sir,

We herewith inform that the couples <Test Methods / External Shop> as detailed in the Appendix have been either registered or modified in the Official Airbus Qualified Test Methods List (QTML).

The latest valid status of all qualified <Test Methods / External Shop> couples is published by regular QTML reports:

A qualified couple is not linked to a specific product. It is the proof that the External Shop is meeting the requirement of the M20691.2: Perform Couple <Product/Supplier Site> Compliance and Maturity's Activities for Material Products Suppliers and/or M20691.3: Perform Couple <Product/Supplier Site> Compliance and Maturity's Activities for Aerostructure Parts Suppliers.

- On a quality aspect: we kindly ask you to indicate us any modification which could have a quality impact.
- Concerning technical requirements:
  - We kindly ask you to participate at least every 2 years to the PTP for the tests you perform on Airbus Products (see Appendix for details on next PTP participation requirements).
  - You can find all necessary information about PTP participation process on the website: https://ptpscheme.com.
  - In case of PTP results out of tolerances, the couples qualification can be downgraded to an authorisation to proceed or withdrawn and the PTP participation frequency is reduced to one year, subject to acceptance by Airbus of your Root Cause Analysis and associated Corrective Actions.
  - On the other hand, you shall supply at least every 2 years the results of your Internal Homogeneity Studies per Test Families.

Airbus reserves the right to withdraw or suspend the qualification at any time for specific reason, e.g.
- Any major incident(s) detected on one or several Test processes
- Lack in quality
- Evidence non-compliance with the M20691.2 and/or M20691.3
- Loss of Airbus Supplier Approval
- Stop of the Business

Yours faithfully,

NUNEZ Cesar
Airbus Test Methods Auditor POMDS – CE
Your QTML Focal Point

SAUX Alexandra
Test Methods Coordinator POMDS– CE
Your Quality Responsible

Appendix: Matrix of qualified Couples <Test Methods / External Shop>
APPENDIX: Matrix of qualified Couples <Test Methods / External Shop>

We hereby declare the External Shop:

**ELEMENT MATERIALS TECHNOLOGY - LANCASTER**

Crosslands House  
White Cross, South Road  
LA1 4XQ LANCASTER  
United Kingdom

**CERTIFICATE PREPARED BY**  
NUNEZ Cesar  
**DATE**  
09/03/2020  
**OUR REFERENCE**  
SUR2020.0034 Ind. B  
**ARP-ID of the External Shop**  
143441  
**TYPE of External Shop**  
Independent

Qualified or Authorised to proceed for the following Test processes:

<table>
<thead>
<tr>
<th>Test Standard(s) *</th>
<th>Test label</th>
<th>Complex</th>
<th>Qualif. Status</th>
<th>Next PTP part. **</th>
<th>QCS Ref.</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>AITM 1-0042</td>
<td>Determination of Fatigue Crack Growth Rates for Clad Sheet and Clad Plate up to 12 mm in Constant-Load-Amplitude Tests</td>
<td>High</td>
<td>Qualified with limitations</td>
<td>2023</td>
<td>150077</td>
<td>Alloys of Al, Ti, Ni, Steels Limited to CT Specimens and DCPD (Direct Current Potential Difference) method to monitor the crack length</td>
</tr>
<tr>
<td>ASTM E399</td>
<td>Linear-elastic plane-strain fracture toughness Klc of metallic materials</td>
<td>High</td>
<td>Qualified</td>
<td>2021</td>
<td>171307</td>
<td>Qualified on 14/01/2020</td>
</tr>
<tr>
<td>ASTM E647</td>
<td>Measurement of fatigue crack growth rates (da/dn)</td>
<td>High</td>
<td>Qualified with limitations</td>
<td>2023</td>
<td>150077</td>
<td>Alloys of Al, Ti, Ni, Steels Limited to CT Specimens and DCPD (Direct Current Potential Difference) method to monitor the crack length</td>
</tr>
<tr>
<td>EN 6072</td>
<td>Constant amplitude fatigue testing (HCF)</td>
<td>High</td>
<td>Authorised to Proceed July 2020</td>
<td>2021</td>
<td></td>
<td>Alloys of Al, Ti, Ni, Steels</td>
</tr>
<tr>
<td>EN 6072 (machining)</td>
<td>Fatigue test specimen machining (NADCAP test code O)</td>
<td>None</td>
<td>Authorised to Proceed July 2020</td>
<td></td>
<td></td>
<td>Alloys of Al, Ti, Ni, Steels</td>
</tr>
<tr>
<td>Z_Metal. Spec. prep</td>
<td>Metallic specimen preparation (for mechanical testing)</td>
<td>None</td>
<td>Qualified</td>
<td></td>
<td></td>
<td>Alloys of Al, Ti, Ni, Steels</td>
</tr>
</tbody>
</table>

* Unless otherwise specified, last issue of the standard shall apply.  
** Next PTP participation year is given for information - It is the External Shop's responsibility to check every year on the PTP Website (https://ptpscheme.com/) which kits are proposed.