

## Background Memo

<b>Document:</b>	Specific Accreditation Criteria - Materials - Characterisation of Materials by X-Ray Fluorescence, Laser Induced Breakdown and Atomic Emission Techniques
<b>Date:</b>	June 2023
<b>Key changes:</b>	Extensive revision to change the document type from guidance to criteria and to incorporate technological developments. Clarification of current laboratory-based and hand held <i>by X-Ray Fluorescence and Atomic (Arc/Spark) Emission</i> instrumentation capabilities
<b>Background:</b>	
<p>The changes to the document have been proposed to:</p> <ul style="list-style-type: none"> <li>▪ expand the range of materials that can be characterised and to include equipment other than <i>by X-Ray Fluorescence and Atomic (Arc/Spark) Emission</i>. The changes allow for greater flexibility in the application of the equipment provided key criteria can be met in relation to the measurement traceability.</li> <li>▪ address some of the on-going issues encountered when using the instrumentation.</li> <li>▪ In the development of the Specific Accreditation Criteria the Materials Characterisation AAC have looked at the technological developments that have taken place since the publication of the previous document <i>Specific Accreditation Guidance - Materials - Characterisation of Metallic Items by X-Ray Fluorescence and Atomic (Arc/Spark) Emission Techniques</i>.</li> </ul>	
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