

SABRe



Supplier Management System Requirements

Aerospace

Revision 1.3
May 2020

Edition 3



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Appendix A – Quality Management System Certification Requirements

Supplier Type		Rolls-Royce Approval Required?	Minimum Third Party Approval Requirements (Suppliers can define higher requirements based upon risk)
Manufacturing or Maintenance Services	Integrator	Yes	AS/EN/JISQ 9100 or AS9120
	Raw Material Stockist / Distributor	No ¹⁴	ISO 9001 ⁵
	Rolls-Royce Component Stockist	Yes ⁹	AS/EN/ 9120 or ASA-100
	Materials Testing Laboratory [acceptance and release of production material (Chemical, Metallographic, Mechanical testing Uniaxial and constant load testing)]	No	Nadcap or ISO/IEC 17025 or Equivalent National Accreditation ^{2,6}
	Inspection and measurement services	No	ISO/IEC 17025 or AS/EN/JISQ 9100 or AC 7004
	Calibration laboratories	No	ISO/IEC 17025 or calibration traceable to a laboratory holding ISO/IEC 17025

Note 2: Captive laboratories may utilise AS/EN/JISQ 9100 provided that the scope incorporates Manufacture and Testing of Material, and the supplier participates in the Rolls-Royce Approved Proficiency Testing Programme (<https://ptpscheme.com>).

Note 6: All Rolls-Royce specifications and requirements for the testing must be flowed down to the facility completing the testing by their direct customer. Additionally, for materials controlled by RRMS30031, exceptions to approval requirements may be noted in MLC104.

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Rolls-Royce Testing Matrix¹

Rolls-Royce Test Code	Test Description	EBA Procedure	EBA Nadcap Test Code
Material Test Spectrographic (Industry Standards)	Atomic Emission Spectroscopy-Spark/Ark (OES)	C223	F3
Material Test Chemical (Industry Standards)	Elemental Analysis Carbon	C205	G1
	Elemental Analysis-Sulfur	C205	G5
Salt Spray ASTM B117	Corrosion-General	B201	Q
Material Test Metallographic (Industry Standards)	Metallography-General	B213	L0
	Microhardness-Interior (Knoop/Vickers)	B208	L1
	Near Surface Examinations Microhardness (Surface – Knoop/Vickers)	B208	L5
	Nitriding	B220	L6
	IGA/IGO	B214	L7
	Carburization/Decarburization	B212	L10
	Grain Size	B218	L11
	Inclusions	B204	L12
	Metallography-Macro	B205	XL
Material Test Physical (Industry Standards)	Room Temperature Tensile	A201	A
	Impact Testing	A202	N
	Bend Testing	A203	XN
	Hardness – Rockwell	A200	M2
	Hardness – Vickers (Macro)	B208	M3
Material Test Non-Metallics (Industry Standards)	A2LA Mechanical and Chemical Scopes	Various ASTM Test Methods	N/A

Note:

1. Per SABRe Aerospace Supplier Management System Requirements dated May 2020 – **Does not require Rolls-Royce Approval for Manufacturing or Maintenance Services (acceptance and release of production material – chemical, metallographic, mechanical testing). Does require Rolls-Royce Approval for Engineering Services.**
2. All Rolls-Royce specifications and requirements for the testing must be flowed down to the facility by their direct customer. Additionally, for materials controlled by RRMS30031, exceptions to approval requirements may be noted in MLC104.