



NEWS RELEASE

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FOR IMMEDIATE RELEASE

MIRA - World First for Def Stan 61-5 Accreditation.

MIRA has responded decisively to the MoD and Dstl¹'s recent update to Defence Standard 61-5² part 6 by becoming the first company in the world accredited to perform vital certification work.

The engineering service provider has been swift to secure approval from UKAS³ to extend its accreditation to include 61-5 part 6 issue 6, following Dstl's move to publish the new Def Stan in mid-February. A coordinated effort was required, driven by the desire to ensure military vehicles possess a powerful yet robust electrical system that operates reliably in the arduous conditions faced by frontline troops. The previous issue of 61-5 was released back in 1990; since then supplementary equipment and modern technologies have arisen that place additional pressures on the electrical architecture of the MoD fleet.

The new Def Stan outlines the power distribution quality for all military platforms and sub-systems running up to 28V DC. The standard serves to renew the MoD's focus on the electrical systems in frontline vehicles, future proofing the fleet from the kind of issues raised by retrofitting modern systems into legacy equipment. The scope encompasses all new and existing vehicles destined for current operational theatres.

Peter Phillips, MIRA's Electrical & EMC Engineering Manager gave his reaction: *"Our specialists have worked fast to ensure that the widespread adoption of issue 6 was not held up by a lack of accredited service providers. It's certainly not the first time we have led the world for Def Stan accreditation, but it's always satisfying to remain at the forefront - driving progress. This approval complements our extensive accreditation for EMC testing of defence products."*

MIRA is Europe's largest EMC test and engineering provider for civilian and defence vehicles. With 9 high-tech development facilities and over 50 EMC engineers, the company boasts the largest concentration of EMC expertise in the Europe; with specialists in all areas of test, simulation and engineering solutions available for technical reviews and engineering support. Blue chip defence contractors and the MoD call upon MIRA to serve as primary advisors on technical matters.

Peter Phillips explains why: *"The automotive industry knows the importance of a robust and high quality power system, and it's good to see this adopted by defence vehicles to improve their reliability, safety and operational performance. Our first hand experience in writing this specification update alongside Dstl affirms our place as industry leaders in this sector."*

- Ends -

¹ The Defence Science and Technology Laboratory (Dstl) is an agency of the Ministry of Defence (MoD) and exists to supply the very best, impartial, scientific and technical research and advice to the MoD and other government departments.

² Defence Standard 61-5 Part 6 Issue 6: "Nominal 12v and 24v DC Electrical Systems in Military Platforms".

³ The United Kingdom Accreditation Service.

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Notes to Editors

About MIRA ...

MIRA Ltd.

MIRA is the leading independent design, development and test organisation for the automotive and defence industries. A cornerstone of the sector, MIRA delivers tailored solutions ranging from individual tests, to turnkey vehicle design programmes. Widely recognised as one of the best-equipped and responsive consultancies in the world, MIRA is where integrated simulation techniques couple with 31 major test facilities to deliver complex collaborative or turnkey projects for the leading prime contractors, the Tier 1 & 2 supply chain and other independent consultancies throughout the vehicle-producing world. MIRA's military accreditations include Def Stan 00-35, 59-411(part 3 & 4) and 61-5 (part 6 issue 6).

At the UK HQ, a core of over 400 dedicated employees fuse the benefits of 32 major development facilities with advanced design & modelling techniques to slash both development timescales and the requirement to build costly prototypes in quantity.

MIRA's main development centre is concentrated into a highly secure 760-acre site in Nuneaton, Warwickshire. From this base, and 9 others and around the globe, clients access a technically compelling service. Operating across the whole range of transport technologies, MIRA provides particular expertise in: electrical/electronic systems, vehicle dynamics, aerodynamics, safety, thermal management, autonomous control, NVH, advanced powertrain integration and all aspects of durability.

MIRA is also responsible for the design and construction of numerous other proving grounds and major development centres worldwide.

About UKAS

The United Kingdom Accreditation Service is the sole national accreditation body recognised by government to assess, against internationally agreed standards, organisations that provide certification, testing, inspection and calibration services.

Accreditation by UKAS demonstrates the competence, impartiality and performance capability of these evaluators.

UKAS is a non-profit-distributing company, limited by guarantee, and operates under a Memorandum of Understanding with the Government through the Secretary of State for Innovation, Universities and Skills.

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