

Job Description

Date Approved:

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Owned By: Human Resources Director

Review Due:

Job Description.

Title of Job:	Vehicle Dynamics Senior Engineer		
Department:	0432		
Grade:	4Y		
Date Required:	ASAP		
Salary Range:			
Number Required:	1		
Location:	Nuneaton		
Contract Type:	Permanent:	Yes	Contractor: No
Responsible To:	Team Leader and Group Manager		
Subordinates:	Members of project teams		

Main Purpose of Job

- To develop and manage external customer projects for the vehicle dynamics attribute, providing subject matter expertise and knowledge.
- The role will be highly customer focused, being the point of contact and technical expert/lead for the project, representing Horiba MIRA both in the UK and at times abroad. This role will be based at the MIRA Technology Park site but may involve travel
- To support commercial teams on enquiry development, project scope and approach definition.
- Delivery of continuous improvement projects to improve internal process and procedure.
- The role may include support of the team's research and development into new technology

Key Functions

- The role will require the candidate to deliver customer projects, either as part of a standalone Vehicle Dynamics development project or as part of a complete vehicle development program.
- The candidate will need a broad range of knowledge in vehicle level attribute development across the complete engineering spectrum:
 - Competitor benchmarking
 - Target setting and cascade to system and component level
 - Initial concept development and virtual engineering
 - Design maturation
 - Vehicle level testing, development and signoff
- The candidate will be experienced in the subjective evaluation and objective measurement of the vehicle dynamics attribute to quantify the vehicle performance and provide development direction.
- The candidate will need to liaise with both MIRA and customer design teams to ensure attribute requirements are met.
- A good understanding of virtual engineering tools will be required to effectively utilise the Attribute Simulation team to meet the attribute target performance during the virtual development phase of the project
- Project administration will be required to maintain timing plans, monitor project progress against contracted deliverables and comply with MIRAs quality policy
- The candidate must be a confident and effective communicator, keeping our clients and internal stakeholders informed of the project progress. This will be delivered through written and face to face presentation skills.

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Reviewed By : Nicola Hill

Authorised By: Lisa Rowles

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> Degree qualified in automotive or mechanical engineering or equivalent. Full UK driving licence Trained to PG level 4 or equivalent 	<ul style="list-style-type: none"> Masters degree or PHD Chartered Engineer, CEng MIMechE or equivalent Licenses for other classes of vehicle HGV and other vehicle licenses

Essential Experience	Preferred Experience
<ul style="list-style-type: none"> A track record in automotive vehicle dynamics testing and development. 7+ years of experience within the vehicle dynamics attribute 	<ul style="list-style-type: none"> Development eExperience of control systems such as SCS or , other chassis control systemsEPAS etc. Track record in the development and delivery of the vehicle dynamics attribute for a vehicle engineering programme

What is the candidate likely to be doing now?

- Working within a vehicle dynamics consultancy, OEM or supplier

Other information

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N.B. : All Document amendments should be clearly marked in **RED**

Issue No.	Amended By	Section(s) Affected	Date
01	Nicola Hill	Document rebranded. This Procedure replaces Appendix 6 of Personnel and Training Procedure MN1010/O/, which has now been withdrawn/	24/01/2017



BMS PROCEDURE

Number: **PE001/O/01/A01**

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