

Appendix A1.2: Statement of Competency

1.1 Introduction

1.1.1 This Appendix provides the statement of competence, as required by Part 1, Section 20C (8)(b) of the Roads (Scotland) Act 1984, as amended by the Roads (Scotland) Act 1984 (Environmental Impact Assessment) Regulations 2017.

1.1.2 Jacobs as an organisation can demonstrate competence in Environmental Impact Assessment (EIA) as follows:

- Our Lead EIA coordinators and discipline leads are experienced EIA practitioners with depth of experience in EIA/hold Chartership status such as Chartered Environmentalist, Chartered Planner and/or Chartered Scientist. The level of experience or Chartered status of our staff characterises them as knowledgeable, experienced, competent and committed environmental professionals. Table 1.1 of this appendix provides the qualifications and EIA experience of the project team that has authored this EIAR.
- Jacobs has been recognised by the Institute of Environmental Management and Assessment (IEMA) Quality Mark Scheme since its inception. The EIA Quality Mark is a voluntary scheme, operated by IEMA, through which EIA activity is independently reviewed on an annual basis. Our participation in this scheme highlights our commitment to delivering quality EIAs that are independently reviewed by an external professional body. Jacobs was one of the first organisations accredited with the IEMA EIA Quality Mark in 2011 when the Q-Mark was founded and has maintained this accreditation since then.



Table A1.2-1: Qualifications and Experience of EIA Project Team

Name	Role	Qualifications	Experience in EIA
Graham Kerr	Environmental Manager and Population – Land Use Lead	BSc (Hons) Agriculture, University of Edinburgh Full Member Institution of Environmental Sciences (MIEnvSc) Chartered Environmentalist (CEnv)	Over 35 years' professional experience in agriculture and environmental consultancy. Has fulfilled the role of Land Use and Agriculture specialist on several highways projects at DMRB Stage 2 and Stage 3, as well as other linear infrastructure projects such as electricity transmission lines and water pipelines. Has extensive experience on various major multi-disciplinary highway and infrastructure projects, including undertaking the role of EIA Coordinator for A9 Dualling: Tay Crossing to Ballinluig and land use and agriculture specialist on A96 Dualling Inverness to Nairn (including Nairn Bypass).
Pauline Graham	EIA Co-ordinator	MSc Environmental Impact Assessment, University College of Wales Aberystwyth BSc (Hons) Biological Sciences Full Member Institution of Environmental Sciences (MIEnvSc) Practitioner Member of Institute of Environmental Management & Assessment (PIEMA)	<ul style="list-style-type: none"> Over 30 years' experience in environmental consultancy. Extensive experience in EIA coordination and environmental assessment for infrastructure projects including highways, water and energy related projects. Environmental Coordinator for DMRB Stage 2 assessments for A9 Dualling: Pass of Birnam to Tay Crossing and Environmental Co-ordinator for DMRB Stage 2: Pitagowan to Glen Garry.
Iain Pattenden	Town and Country Planning Lead	MSc Urban and Regional Planning, University of Strathclyde BSc (Hons) Estate Management, Heriot-Watt University Chartered Member of the Royal Town Planning Institute (MRTPI)	<ul style="list-style-type: none"> Over 25 years' experience in town planning and environmental consultancy. Extensive experience providing town planning advice and in EIA coordination and environmental assessment for a range of development and infrastructure projects including transport infrastructure, energy and mixed-use development.

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		Chartered Member of the Royal Institution of Chartered Surveyors (MRICS) Practitioner Member of the Institute of Environmental Management and Assessment (PIEMA)	
Hazel Peace	Air Quality Lead	PhD. Air pollution modelling and neural networks BEng (Hons) Communication and Control Member of the IET (Institute of Engineering and Technology) Member of the Aviation Group Executive Board of the US Transportation Research Board (AV000) 2017-2022 Chair of the US Transportation Research Board International Aviation Committee 2017-2022	<ul style="list-style-type: none"> Over 25 years' experience specialising in air pollution. Air quality lead for numerous road transport projects and has sat as expert witness at both public inquiry and DCO. Led the Transport for Greater Manchester Clean Air Zone study and is/has been the air quality lead for a number of other projects, including Transport for London Ultra Low Emission Zone study, various highway assessment schemes, HS2 air quality assurance and the Western Rail Link to Heathrow project. Successfully project managed the delivery of large-scale air quality assessments of regional, national and international importance, including general co-ordination and Quality Assurance, as well as financial and budgetary management.
Jonathan Dempsey	Cultural Heritage Lead	PgC Archaeology of Standing Buildings PgD Field Archaeology MA (Hons) Archaeology Member of the Chartered Institute for Archaeologists	<ul style="list-style-type: none"> Over 28 years' professional experience providing cultural heritage input to all stages of EIA. Has an in-depth knowledge of DMRB process, heritage legislation and best practice guidance, and has been responsible for designing, managing and procuring archaeological investigations on major infrastructure and construction projects. Under the A9 Dualling Pass of Birnam to Glen Garry commission Jonathan managed the cultural heritage inputs into the DMRB Stage 2

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			(options appraisal) and DMRB Stage 3 (EIAR) Assessments for four major road schemes.
Mark Lancaster	Landscape and Visual Lead	BA (Hons) Landscape Architecture, Heriot Watt University Chartered Member of the Landscape Institute	<ul style="list-style-type: none"> Over 35 years' professional experience in Landscape Architecture including landscape and visual impact assessment for several major road schemes. Landscape and visual expert witness at Public Inquiries for roads and other major infrastructure projects. 3rd Party audits of DMRB Stage 2 and Stage 3 landscape and visual impact assessments. Technical lead in the preparation of the DMRB Stage 2 and Stage 3 Landscape and Visual Impact Assessments for the A9 Dualling: Pass of Birnam to Glen Garry, Queensferry Crossing, Aberdeen Western Peripheral Route and M80 Stepps to Hags.
Matt Pannell	Biodiversity Lead	B.For.Sc (Hons) Forestry Science, Canterbury University (New Zealand) Full Member Chartered Institute of Ecology and Environmental Management (CIEEM) Chartered Environmentalist	<ul style="list-style-type: none"> Over 20 years' professional experience in ecology and environment including biodiversity assessment for major road schemes. In depth knowledge of Scottish legislation, policy and guidance relating to biodiversity including application of DMRB and CIEEM impact assessment. Technical lead for the preparation of the DMRB Stage 2 and Stage 3 Biodiversity Assessments for the A9 Dualling: Pass of Birnam to Glen Garry. This includes development of suitable mitigation and compensation, input to specimen design, input to post consent procurement and implementing pre-construction/construction licensing, mitigation and compensation measures.
Vanina Saint-Martin	Geology, Soils, Groundwater	MSc Hydrogeology; University of Birmingham (2000)	<ul style="list-style-type: none"> Over 20 years' technical expertise in hydrogeological matters. Vanina worked on a large variety of projects including groundwater resources,

Name	Role	Qualifications	Experience in EIA
	and Land Contamination Lead	BSc (Hons) Applied Geology; University of Bordeaux (1999)	<p>hydrogeological-hydrological assessments, mining and quarrying issues, contaminated land and groundwater risk assessment, environmental impact assessments, landfills HRAs, groundwater flooding and groundwater dependent ecological assessments.</p> <ul style="list-style-type: none"> Geology, Soils, Groundwater and Land Contamination lead for the DMRB Stage 2 and DMRB Stage 3 Assessments for all projects on the Pass of Birnam to Glen Garry section of the A9 Dualling Programme.
Dan Lean	Materials assets and Waste Lead	<p>BSc (Hons) Environmental Science, Plymouth University, UK, 2002</p> <p>Full Member of the Institution of Environmental Sciences (IES), 2011 (MIEnvSc)</p>	<ul style="list-style-type: none"> Over 22 years' expertise in delivering Material Assets and Waste aspect EIAs, leading this discipline on numerous nationally strategic infrastructure projects and programmes both the UK and internationally. Contributing Material Assets and Waste inputs to various DMRB LA 110 assessments, including the A9 Dualling projects from Glen Garry to Dalwhinnie, Dalwhinnie to Crubenmore, and Crubenmore to Kincaig. Delivery of high-quality outputs within budget and schedule, ensuring full compliance with EIA Regulations and DMRB. Providing Material Assets and Waste aspect Environmental and Advisory & Auditing Services for Transport Scotland, ensuring that audited Environmental Statements or Environmental Impact Assessment Reports complied with EIA Regulations, DMRB Volume 11, and all relevant standards, guidance and best practices.
Andrew Johnston	Noise and Vibration Lead	<p>Diploma in Acoustics and Noise Control</p> <p>Certificate of Competence in Environmental Noise Measurement</p> <p>Master of Engineering (Hons) Electrical Engineering with Electronics</p>	<ul style="list-style-type: none"> Over 15 years' experience within the field of noise and vibration consultancy, particularly in environmental noise. Auditor for DMRB Stage 2 and Stage 3 noise and vibration assessments. Noise and vibration lead for the noise and vibration inputs into the DMRB Stage 2 Assessment for the five projects on the Pass of Birnam to Glen Garry section of the A9 Dualling Programme. Noise and vibration

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		Corporate Member of the Institute of Acoustics	lead for the DMRB Stage 3 Assessment of A9 Dualling: Tay Crossing to Ballinluig and A9/A96 Inshes to Smithton.
Douglas Dyche	Population – Accessibility Lead	MSc Sustainability and Environmental Studies BSc (Hons) Zoology Full Member Institution of Environmental Sciences (MIEnvSc) Chartered Environmentalist (CEnv)	<ul style="list-style-type: none"> Over ten years' experience in EIA coordination and environmental assessment. Technical lead for All Travellers for the DMRB Stage 3 EIA of the A9 Dualling Programme and A9/A96 Inshes to Smithton Scheme. Auditor for DMRB Stage 2 and DMRB Stage 3 environmental assessments for Community and Private Assets, and All Travellers environmental topics.
Jenny Wade	Human Health Lead	Master of Public Health (MPH), Cardiff University MSc Environmental Management, London Imperial Distance Programme BA (Hons) Geography, Swansea University Full Member of the Institute of Environmental Management and Assessment (MIEMA) Chartered Environmentalist (CEnv)	<ul style="list-style-type: none"> Over 21 years' technical experience in Environmental Impact Assessment (EIA). Over 12 years' technical experience in Health Impact Assessment (HIA). Discipline lead for human health assessments for several nationally significant road projects including the A12 Chelmsford to A120 Improvement, the M60/M62/M66 Simister Island Improvement and the A14 Cambridge to Huntingdon Improvement. Contributed to the health assessments for twelve bus corridor improvement schemes in Dublin, overseen by one of Ireland's top health assessors. Has provided HIA for regional transport plans including for the West of England, Gloucestershire and Worcestershire. Contributed to the HIA for Birmingham Clean Air Zone. Member of the IEMA Technical Working Group for Health Assessment in EIA and member of the Welsh Health Impact Assessment Network of Practice.

Name	Role	Qualifications	Experience in EIA
Ian Griffin	Water Environment Lead	<p>PhD Environmental Science, University of Stirling</p> <p>BSc. (Hons) Botany, University of Glasgow</p> <p>Chartered Member of the Chartered Institute of Water and Environmental Managers</p> <p>Chartered Environmentalist (CEnv)</p>	<ul style="list-style-type: none"> Over 17 years' academic, conservation and consultancy experience. Extensive experience in EIA and planning led consultancy across the UK, with expertise in hydrological estimation techniques and Flood Risk Assessments. Has overseen and undertaken hydraulic modelling, drainage design and the environmental aspects of Flood Alleviation Schemes (e.g. Water Framework Directive (WFD) assessment and Controlled Activities Regulations (CAR) compliance). Has been the Discipline Lead for the Water Environment as part of the environmental assessment for the A9 Dualling Perth to Inverness.
Sam Pollard	Climate Lead	<p>MSc in Geographic Information Science, University of London</p> <p>BEng (Hons) in Environmental Engineering, University of Nottingham</p> <p>Chartered Environmentalist (CEnv)</p> <p>Member of the Institution of Environmental Sciences (MIEnvSci)</p>	<ul style="list-style-type: none"> Over 22 years' experience in delivering climate assessments in support of large-scale infrastructure projects, highways schemes, oil and gas production operations and industrial, residential and commercial developments. Key roles include Climate Lead for A9/A82 Longman Junction Improvement Scheme, A12 Chelmsford to A120 widening scheme and M60 Junction 18 Simister Island Interchange.