

Functional Analysis –Bus & Coach (Body Roles)

Functional Analysis for Maintenance and Repair – Bus & Coach (Body Repairer)			
Occupation	Functions	B&C NOS	HV NOS
Bus and Coach Body Repairer	Work in a way which ensures compliance with legislation and work practices	PPLBACEM01 - Contribute to safe working practices in bus/coach engineering and maintenance	IMIARBG1 – Contribute to Housekeeping in Motor Vehicle Environments IMIARBG2 - Reduce Risks to Health and Safety in the Motor Vehicle Environment
		PPLBACEM03 - Use hand tools and equipment in bus/coach engineering and maintenance	IMIARBG4 - Use of hand tools and equipment in Motor Vehicle Engineering
	Communicate effectively – colleagues, customers, operators, suppliers	PPLBACEM02 - Achieve effective working relationships with colleagues in bus/coach engineering and maintenance	IMIARBG3 - Maintain Working Relationships in the Motor Vehicle Environment
	Carry out pre- and post-work inspections. Have an awareness of current legislation, including OCRS and Earned recognition	NONE	IMICB08- Conduct pre- and post-work assessments for large commercial and passenger vehicle body activities
	Remove and replace components to allow body building activities? Chassis and electrical/electronic Not safety critical	NONE	IMICB01- Remove and fit basic large commercial and passenger vehicle Mechanical, Electrical and Trim (MET) components
	Conduct examination, inspection, adjustment and replacement activities of body systems and components as part of the periodic maintenance, and test body systems for operation and functionality. Conduct unplanned repairs to body systems and components. Report anticipated delays.	PPLBACEM21 - Carry out scheduled body maintenance on buses / coaches	Is this obsolete? – see Wider Consultation
		NONE	IMICB02- Remove and fit non-permanently fixed large commercial and passenger vehicle body panels and cab components
		PPLBACEM12 - Identify bus/coach body damage and recommend suitable repair techniques PPLBACEM09 - Rectify body damage on bus/coach vehicle body components	Covered by fabrication, paint and remove/fit units
		PPLBACEM13 - Complete routine assembly of bus/coach body components	IMICB03- Routine assembly of large commercial and passenger vehicle body components or parts
		NONE	IMICB05- Apply non-complex fabrication/forming techniques for large commercial and passenger vehicles
		PPLBACEM14 - Prepare and treat surfaces and apply paint coats to bus/coach body panels and components (AKA BACEM29!)	NEW IMICB29 - Prepare and treat surfaces and apply paint coats to large goods and passenger vehicles

Functional Analysis –Bus & Coach (Body Roles)

Functional Analysis for Maintenance and Repair – Bus & Coach (Coachbuilder/Bodybuilder)			
Occupation	Functions	B&C NOS	HV NOS
Bus and Coach Coachbuilder/ Bodybuilder	Work in a way which ensures compliance with legislation and work practices	PPLBACEM01 - Contribute to safe working practices in bus/coach engineering and maintenance	IMIARBG1- Contribute to Housekeeping in Motor Vehicle Environments IMIARBG2 - Reduce Risks to Health and Safety in the Motor Vehicle Environment
		PPLBACEM03 - Use hand tools and equipment in bus/coach engineering and maintenance	IMIARBG4 - Use of hand tools and equipment in Motor Vehicle Engineering
	Communicate effectively – colleagues, customers, operators, suppliers	PPLBACEM02 - Achieve effective working relationships with colleagues in bus/coach engineering and maintenance	IMIARBG3 - Maintain Working Relationships in the Motor Vehicle Environment
		PPLBACEM34 - Establish customer technical requirements for buses/coaches	IMIARBG8 - Identify and Agree the Motor Vehicle Customer's Needs
	Carry out pre and post-work inspections. Have an awareness of current legislation, including OCRS and Earned recognition	NONE	IMICB08- Conduct pre- and post-work assessments for large commercial and passenger vehicle body activities
	Remove and replace components to allow body building activities? Chassis and electrical/electronic Not safety critical	NONE	IMICB01- Remove and fit basic large commercial and passenger vehicle Mechanical, Electrical and Trim (MET) components
	Conduct examination, inspection, adjustment and replacement activities of body systems and components as part of the periodic maintenance, and test body systems for operation and functionality. Conduct unplanned repairs to body systems and components. Report anticipated delays.	PPLBACEM21 - Carry out scheduled body maintenance on buses / coaches	Obsolete
		NONE	IMICB02- Remove and fit non-permanently fixed large commercial and passenger vehicle body panels and cab components
		PPLBACEM24 - Assess body damage to buses/coaches PPLBACEM27 - Repair damage to bus/coach body components	Covered as a whole by the fabrication, thermal joining and paint /prep units
		PPLBACEM28 - Set out and assemble bus/coach body components	IMICB04- Set-out and assemble large commercial and passenger vehicle body components or parts
		NONE	IMICB06- Apply complex fabrication/forming techniques for large commercial and passenger vehicles
		PPLBACEM31 - Install ancillary systems and components in buses/coaches	IMICB07- Install motor vehicle ancillary units and components in large commercial and passenger vehicles

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	Complete thermal, mechanical and adhesive joining	PPLBACEM17 - Complete thermal joining of bus/coach components	IMIBB19- Motor vehicle body MIG/MAG welding operations IMIBB22- Motor vehicle body aluminium welding operations IMIBB23- Motor vehicle body TIG welding operations IMIBB24- Motor vehicle body mechanical fastening IMIBB25- Motor vehicle body adhesive bonding operations
	Prepare and apply paint to large goods and passenger vehicles substrate	PPLBACEM14 - Prepare and treat surfaces and apply paint coats to bus/coach body panels and components (AKA BACEM29!)	NEW IMICB29 - Prepare and treat surfaces and apply paint coats to large goods and passenger vehicles
		NONE	NEW IMICB30 - Prepare and apply spray paint to large goods and passenger vehicles

Functional Analysis –Bus & Coach (Body Roles)

Functional Analysis for Maintenance and Repair – Bus & Coach (Master Technician)			
Occupation	Functions	B&C NOS	HV NOS
Bus and Coach Master Technician	Work in a way which ensures compliance with legislation and work practices	PPLBACEM01 - Contribute to safe working practices in bus/coach engineering and maintenance	IMIARBG2 - Reduce Risks to Health and Safety in the Motor Vehicle Environment
		PPLBACEM03 - Use hand tools and equipment in bus/coach engineering and maintenance	IMIARBG4 - Use of hand tools and equipment in Motor Vehicle Engineering
	Communicate effectively – colleagues, customers, operators, suppliers	PPLBACEM02 - Achieve effective working relationships with colleagues in bus/coach engineering and maintenance	IMIARBG3 - Maintain Working Relationships in the Motor Vehicle Environment
		PPLBACEM34 - Establish customer technical requirements for buses/coaches	IMIARBG8 - Identify and Agree the Motor Vehicle Customer's Needs
	Diagnose faults where there is no guided fault-finding process	PPLBACEM22 - Diagnose mechanical faults in bus/coach systems and components	IMIHV14 - Diagnose faults in commercial vehicles where no prescribed process or format is available
		PPLBACEM23 - Diagnose electrical faults in bus/coach systems and components	
		PPLBACEM26 - Repair electrical faults in bus/coach systems and components	
		PPLBACEM32 - Diagnose mechanical/electrical faults in ancillary systems and components in buses/coaches	
	Provide theoretical and practical technical support to colleagues, including apprentices	PPLBACEM33 - Repair mechanical/electrical faults in ancillary systems and components in buses/coaches	
		PPLBACEM37 - Plan and organise work of self and others	IMIARBG11 - Supervisory Skills
		PPLBACEM38 - Support learners by coaching in the workplace	IMIARBG12 - Developing Staff Do we need more specifically about coaching/mentoring?
		PPLBACEM39 - Support learners by mentoring in the workplace	
		PPLBACEM40 - Operate an IT system in a bus/coach engineering and maintenance environment	Do we need this?
		PPLBACEM41 - Evaluate and develop your own knowledge, understanding and skills in the bus/coach engineering and maintenance environment	COSVR712 - Manage own professional development