

Metal Recycling General Operative – Level 2

About this Apprenticeship

A Metal Recycling General Operative (MRGO) can be working for companies of all sizes, from large multi-nationals, SME's to family-run independents. The MRGO role will see an individual taking on a wide range of different tasks and responsibilities both outside on the yard and in an office-like environment.

A team player, an MRGO will be charged with handling all types of equipment and will perform the many tasks undertaken in a metal recycling yard. MRGOs will identify different metals, sort and separate them into grades; over; 100+ different metallic material groups are regularly traded.

Areas of specialism to be choose:

- End-of-Life Vehicles (ELV)
- Weighbridge Operative
- Material Handler
- Material Classification
- Waste Electronic and Electrical Equipment (WEEE)

The MRGO will develop a knowledge and appreciation of a wide range of processes, site administration, risk assessment as well as legislation relating to metal recycling.

The MRGO will attain the skills to operate industry-specific and generic plant and equipment, such as a forklift truck, shear and cable strippers.



General Information:

Apprenticeship Code: ST0507

Duration: 12-18 months

Off the job Training: 20% contracted hours minus annual leave over the period of the apprenticeship.

Grading: Pass / Distinction

Who is it for?

- Those new to the industry
- Those expanding their skills into different specialisms

What are the entry requirements of this Apprenticeship?

Whilst any entry requirements will be a matter for individual employers, typically an apprentice might be expected to have achieved or be working towards 5 GCSE's A*- C including English and Maths.

What job role could this Apprenticeship lead to or support?

This Apprenticeship is the entry level for those who wish to pursue a career in Metal Recycling supervision or management.

What next?

Once you have achieved your Apprenticeship learners could work towards achieving your Metal Recycling Technical Management Apprenticeship in the future.

End-Point Assessment

Knowledge Test: 80-120 Multiple Question Test – 60-90 mins to complete

Professional Discussions: 3 Professional Discussions to be undertaken – up to 40 minutes to complete each.

Observations: 3 Observations to complete covering core competencies and your chosen area of specialism - Up to 40 minutes to complete each

Knowledge

Ref:	Title
CK1	The MRGO role itself and how it fits into the business and industry.
CK2	Environmental policy and procedures applicable to site such as: Fire Prevention Plan, Environmental Action. Plan, monitor, etc.
CK3	Working in accordance with current legislation, regulations, codes of practice, including the Scrap Metal Dealers Act (SMDA).
CK4	Handling and care of applicable industry-specific fixed and mobile plant and machinery such as a shear or crane.
CK5	Acceptance of authorised or rejection of unauthorised materials, hazardous/non-hazardous materials, such as WEEE/ELV, inspection procedures, processing methods and supporting standard operating procedures.
CK6	Industry-specific health and safety (H&S) procedures, including: Safe Systems of Work, COSHH, risk assessments, on-site incident reporting procedures.
CK7	Handling requirements such as identification of materials, grades sorting, storage and quality control, grade identification and identification of stock.
CK8	Key functional areas such as ELV, weighbridge operation, banks man systems, and an understanding of customers, visitors, colleagues along with individual requirements and restrictions.
CK9	Safe loading and unloading such as shipping, containers and heavy good vehicles.
CK10	Commercial implications of day-to-day business actions.

Specialism Pathways

ELV

Ref:	Title
ELVK1	The process of preparing ELV's for depollution, including: safe storage pending depollution; checking vehicle details match presented documentation; determining the overall condition and requirements for depollution (air bags, A/C, LPG, hybrid, electric, complete/damaged vehicle); and, the importance of identification and safe removal of concealed items e.g. gas cylinders.
ELVK2	The potential risk and hazard with any given ELV component and its removal, and how to deal with any unexpected incidents relating to the depollution process.
ELVK3	The process for depolluting an ELV in accordance with the risk assessment, operating procedures and current legislation e.g. End-of-Life Vehicles Directive (latest version).
ELVK4	Safe storage requirements for removed materials and parts.

Weighbridge Operator

Ref:	Title
WBK1	SMDA, particularly ID requirements, payment options and record keeping.
WBK2	Waste acceptance and dispatch procedures, duty of care requirements and relevant waste codes.
WBK3	Weighbridge operational processes from start up to emergency procedures as well as traffic management in accordance to site procedures, risk assessments and relevant legislation e.g. Road Traffic Act
WBK4	Identify and place commercial value on different traded metallic groups and materials presented in any given load, including the evaluation of hazardous materials and associated handling costs.

Material Handler

Ref:	Title
MHK1	Identify the right plant or machinery to achieve the optimal handling, movement and separation of materials
MHK2	How best to operate specific specialist equipment, including safe working loads and conditions and the requirement for pre-and post-use checks, maintenance schedules and servicing requirements.
MHK3	Specific risk assessments relevant to the equipment in conjunction with the general risk assessment for that area, including the health and safety requirements to protect those within the working vicinity.

Material Classification

Ref:	Title
N/A	There are no Multiple Choice Questions for this specialism

WEEE

Ref:	Title
WEK1	Relevant legislation and regulations appropriate to WEEE processing activities conducted on site including the WEEE Directive (as amended).
WEK2	Correct storage, handling and segregation of WEEE-derived materials, PAS141, PAT Testing and Asset Tracking.
WEK3	Hazardous properties of WEEE and the associated risks.
WEK4	Health and safety requirements when working in a WEEE-processing facility.

Skills

Ref:	Title
CS1	The identification of H&S/Environmental issues and the ability to respond accordingly.
CS2	The identification of metal grades, authorised/ unauthorised wastes, hazardous/non-hazardous waste, their quality validation and commercial viability.
CS3	The capability to correctly identify, sort and store materials in line with operating procedures, risk assessment and legislation, e.g. 1992 Manual Handling Regulations
CS4	The ability to maintain good housekeeping procedures, including machine and equipment care, alongside safely operating that machinery and equipment. Examples of fixed and mobile plant include: baler, shear and forklift truck.
CS5	The ability to communicate effectively with colleagues, engage important customers and respond to everyday site visitors. This includes the aptitude to identify and communicate potential for improvement.
CS6	The ability to carry out safe loading and unloading of differing transportation types.
CS7	Problem solves – take action to meet organisational procedures and policies.
CS8	Prioritise working tasks and challenges, such as the appropriate process for loading and unloading.

Specialism Pathways

ELV

Ref:	Title
ELVS1	Complete the process of preparing ELV's for depollution in accordance with operating procedures, risk assessments and current legislation
ELVS2	Depollute an ELV in accordance with the risk assessment, operating procedures and current legislation e.g. End of Life Vehicles Directive (as amended)
ELVS3	Demonstrate the appropriate regard for, and handling procedures of, all hazardous components in an ELV
ELVS4	Demonstrate an in-depth understanding of how best to deal with unforeseen incidents following recognised health and safety procedures.
ELVK4	Safe storage requirements for removed materials and parts.

Weighbridge Operator

Ref:	Title
WBS1	Follow weighbridge operational processes ensuring compliance with relevant site-specific procedures and legislative requirements e.g. SMDA (as amended), site permit and allowed waste types, risk assessments and safe working procedures.
WBS2	Demonstrate the ability to calibrate and maintain the weighbridge

	machinery.
WBS3	Show aptitude when it comes to identifying different metals, as well as the ability to assess, validate and make a commercial decision on a variety of different loads.
WBS4	Demonstrate the ability to safely maintain traffic management procedures.

Material Handler

Ref:	Title
MHS1	Identify the appropriate equipment for moving, unloading/loading, storing and transporting different materials.
MHS2	Follow operational procedures to properly complete pre-and post-use checks, keep accurate records and report faults to the appropriate person. 

Material Classification

Ref:	Title
MCS1	Demonstrate knowledge of the market value of different metals.
MCS2	Show how to use the best available techniques to identify any given metal.
MCS3	Identify the composition of different materials using available equipment, considering the importance of site- based equipment calibration, interpreting results, standards and consistency of analysis and sources of error in the analytical process.
MCS4	Demonstrate the ability to generate appropriate records and accurate labeling, and the understanding when samples need to be sent away for appropriate further analysis

WEEE

Ref:	Title
WES1	Visually inspect WEEE to identify if it is viable for re-use or repair by a technically competent person.
WES2	Identify the hazardous components in various types of WEEE e.g. CRT or FPD.
WES3	Demonstrate how best to safely dismantle various types of WEEE considering such aspects as: the de- construction of the unit, selecting the most appropriate tools and safe separation of hazardous and non- hazardous materials.
WES4	Demonstrate the correct storage, handling and segregation of WEEE- derived materials in accordance with operating procedures, risk assessments, COSHH and relevant legislation

Behaviours

Ref:	Title
CB1	Consistently demonstrate integrity and behaviour that adheres to safety procedures and safe-working practices that are appropriate to the working environment.
CB2	Behave in a Collaborative manner.
CB3	Respond proactively to changes. conflicts.
CB4	Have a commitment to ensure own personal development.
CB5	Maintain a respect for the working environment, customers, plant and machinery.
CB6	Have a positive attitude to the working environment
CB7	Remain flexible and adaptable to the needs of the business

