

# Level 2 Leather Craftsperson Apprenticeship Standard (ST0460)

## Additional End-Point Assessment Plan guidance for EPAOs (Prepared by the Employer Group)

### 1. On-Programme training

#### Log Book (Product/Evidence Examples)

**Product/evidence** must relate to work completed in full or part by the apprentice – where ‘in part’ the apprentice’s contribution must be clearly detailed. Evidence generated in the workplace and training environment is allowable.

Evidence must be mapped against the knowledge, skills and behaviors (KSBs) being assessed by the Observation and Questioning, as shown in Annex A of the plan.

Examples of evidence may include:

- Health & safety training record;
- Risk assessment assignments;
- Bill of materials/work docket;
- Sample products/test pieces showing difference processes;
- Employer feedback reviews;
- Identification/fault reporting;
- Quality/consistency/speed reports/work totals;
- Time/attendance reports;
- Video clips of work activities;
- Photographs of work activities.

**This is not a definitive list; other evidence sources are permissible.**

### 2. Training Specifications (Industry Technical terminology)

Specialist Area	SKILL	KNOWLEDGE AND UNDERSTANDING
Beam house	<p style="text-align: center;"><b>Process raw hides and skins to the tanned state, ready for the subsequent finishing processes</b></p> <ul style="list-style-type: none"> <li>• Inspection of raw materials.</li> <li>• Weighing and measurement of process chemicals.</li> <li>• Dosing of chemicals.</li> <li>• Operation of process vessels.</li> <li>• Safe handling of wet materials</li> <li>• Carry out the necessary vessel processing steps - soaking, liming, unhairing, delimiting, bating, pickling and tanning.</li> <li>• Carry out mechanical processes - fleshing, splitting, shaving and trimming.</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the relevant chemical processes of leather manufacture.</li> <li>• Understand the relevant mechanical processes of leather manufacture.</li> <li>• Know how to use equipment and to follow instructions.</li> <li>• Understand the need for rigorous process control.</li> <li>• Knowledge of Health and Safety practice with regards to chemical handling, manual handling and machine operation.</li> <li>• Know what to do if a fault occurs.</li> </ul>

<b>Post-Tanning</b>	<b>Process tanned hides and skins to a dyed, dried and softened state ready either for the immediate use in the manufacture of leather products or in readiness for further surface finishing processes</b>	
	<ul style="list-style-type: none"> <li>• Inspection of tanned leather.</li> <li>• Safe handling of materials.</li> <li>• Correct operation of mechanical process equipment.</li> <li>• Carry out the necessary vessel processing steps – neutralization, dyeing, retanning, fat-liquoring and fixing.</li> <li>• Carry out mechanical processes - sammying, setting, drying and conditioning, staking, milling.</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the relevant chemical and mechanical processes of leather manufacture.</li> <li>• Know how to use equipment and to follow instructions.</li> <li>• Understand the need for rigorous process control.</li> <li>• Knowledge of Health and Safety practice with regards to chemical handling, manual handling and machine operation.</li> <li>• Know what to do if a fault occurs.</li> </ul>
<b>Leather Finishing</b>	<b>Process prepared leather hides and skins to a finished surface-treated state</b>	
	<ul style="list-style-type: none"> <li>• Inspection of dyed leather input for finishing.</li> <li>• Carry out mechanical processes – buffing, toggling, spraying, roller coating, printing, embossing, perforating, milling.</li> <li>• Interpret how proposed operations are carried out, setting machines up to facilitate leather finishing from work instructions.</li> <li>• Carry out set up testing to ensure machinery is adjusted correctly before production begins.</li> <li>• Capable of sequencing operations and recommending formulations for a simple surfaced-treated leather.</li> <li>• Carry out handwork processes –Hand padding, hand antiquing.</li> <li>• Mixing and preparation of coating solutions.</li> <li>• Carry out colour matching.</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the ability of various methods of leather finishing to cover different types of fault/blemish.</li> <li>• Understand the sequence of operations and the effect on the leather.</li> <li>• Understand the relevant mechanical methods of applying surface finishes.</li> <li>• Know how to set up and use equipment and to follow instructions.</li> <li>• Understand the need for set up testing on certain machinery to assess application rate or that the effect required can be achieved.</li> <li>• Knowledge of Health and Safety practice with regards to chemical handling, manual handling and machine operation.</li> <li>• Know what to do if a fault occurs.</li> </ul>
<b>Leather Quality Control</b>	<b>Inspect, grade and test hides and skins throughout the leather making process</b>	
	<ul style="list-style-type: none"> <li>• Carry out visual inspection of material throughout the leather-making process.</li> <li>• Carry out measurement checks of material throughout the leather-making process using thickness gauges and moisture content gauges.</li> <li>• Carry out Laboratory testing procedures on material to meet product safety and required performance specifications including both mechanical and chemical testing procedures.</li> <li>• Carry out visual colour matching processes to agreed standards.</li> <li>• Carry out visual grading of input hides and skins and of finished leather to company and customer standards.</li> <li>• Carry out recording and record-keeping of quality checks.</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the relevant physical, mechanical and chemical processes for the laboratory testing of leather.</li> <li>• Know how to use equipment and to follow instructions.</li> <li>• Understand the need for rigorous process control, consistent testing methodology and record-keeping.</li> <li>• Understand sampling techniques.</li> <li>• Understand the main factors that impact upon deciding the various grades of leather. e.g. Causes and types of fault etc.</li> <li>• An appreciation of the end use of the material and its impact upon quality decision-making.</li> <li>• Knowledge of company and customer quality specifications and their tolerances.</li> <li>• Know what to do if faulty material is detected.</li> <li>• Knowledge of Health and Safety practice with regards to chemical handling, manual handling and machine operation.</li> </ul>
<b>Hand and Machine Stitching</b>	<b>Stitch pieces of leather together to construct a product</b>	
	<ul style="list-style-type: none"> <li>• Machine stitch a variety of different materials used in leather good manufacture.</li> <li>• Machine product within the timescale required and to quality standard.</li> <li>• Interpret specifications/job sheet to understand type of stitch required.</li> <li>• Make stitch repairs and adjustments when</li> </ul>	<ul style="list-style-type: none"> <li>• Make the necessary technique adjustments required for stitching a variety of different materials e.g. adjusting tension.</li> <li>• Identify needle types and understand their different uses.</li> <li>• Control and adjust machine functions and speed depending on production requirements.</li> </ul>

	<ul style="list-style-type: none"> <li>required e.g. re-stitching over holes, boning stitches.</li> <li>Adapt machinery to meet different types of stitch role.</li> </ul>	<ul style="list-style-type: none"> <li>Control and adjust guides and feet depending on production requirements.</li> </ul>
<b>Cutting/Skiving</b>	<b>Assess the quality of leather on a hide and cut and prepare the required leather panels for production</b>	
	<ul style="list-style-type: none"> <li>Cut/skive a variety of different materials used in leather good manufacture.</li> <li>Machine product within the timescale required and to quality standard.</li> <li>Cut, edge, stain, prick, mark and skive all material components.</li> <li>Use specification/job sheet to produce a cutting/skiving list, showing both cut and made up measurements, the amount of leather and fittings required and include necessary patterns.</li> <li>Use correct tools and gauges to produce the required work.</li> </ul>	<ul style="list-style-type: none"> <li>Identify different areas of the skins e.g. butt, shoulder.</li> <li>Inspect and mark up skins to identify flaws and imperfections in the leather.</li> <li>Understand leather usage allowance and the importance of material utilisation.</li> <li>Understand grading of leather panels and sort according to final placement on the finished goods e.g. grade 1 for main panels.</li> <li>Inspect and maintain knives and blades to ensure quality levels are maintained e.g. report flaws in knife.</li> </ul>
<b>Inking</b>	<b>Surface preparation of raw, cut leather edges and the application of ink to the required components in production</b>	
	<ul style="list-style-type: none"> <li>Ink a variety of different materials used in leather good manufacture.</li> <li>Buff or emery wheel a variety of different materials used in leather goods manufacture.</li> <li>Make the necessary adjustments required for inking a variety of different material finishes.</li> <li>Operate ink machine efficiently, ensuring correct colour, quantity, and consistency of ink is used.</li> <li>Ability to clean leather component correctly where necessary.</li> </ul>	<ul style="list-style-type: none"> <li>Understand how the condition of the inking wheel can affect application and outcome.</li> <li>Understand how poor ink coverage is produced.</li> <li>Understand how poor buffing is produced.</li> <li>Understand required drying times.</li> </ul>
<b>Preparing &amp; Finishing of Leather Goods</b>	<b>Prepare and finish components and finished products</b>	
	<ul style="list-style-type: none"> <li>Prepare and/or Finish a variety of different materials used in leather goods manufacture.</li> <li>Quality check components.</li> <li>Be able to apply glue/tape/product to pieces to quality standard required.</li> <li>Rub off any marks and deal with scratches or faults appropriately.</li> <li>Assemble the finished product.</li> </ul>	<ul style="list-style-type: none"> <li>How to ensure quality of components are maintained.</li> <li>How to report any defects in componentry.</li> <li>How to produce a finish that meets craft standards including use of products to achieve desired finish.</li> <li>Understand the outcome of poor Prepping and/or Finishing.</li> <li>Understand which tool/product to use to correct substandard work.</li> <li>Understand the importance of timing within the role and its effect on production.</li> <li>How to produce a finish that meets craft standards including use of products to achieve desired finish.</li> </ul>