# ILM Publishing Report 2022: Agricultural Equipment Technician

## Quality Assurance (QA) Maintenance Summary

The ILM office held a total of 23 QA Meetings in the 2021/22 academic year, which included over 90 attendees from 8 different institutions across Alberta. With support and feedback from these individuals, we were able to address and resolve over 700 maintenance comments across all ILM trades! We want to acknowledge each of the Programs and instructors that dedicated their time and effort to supporting this important maintenance work and express our gratitude for your support in our continuous improvement of ILM content for students and learners.

For Agriculture Equipment Technician there were 7 modules updated due to maintenance, and 14 individual maintenance comments were addressed. As part of this year’s ILM maintenance process, there were also a number of images and graphics within the ILMs reverted to a previous version. After significant consultation/feedback with Programs and stakeholders, the quality and accuracy of images and graphics from previous ILM versions was identified as being important for student learning and success. The *Maintenance Updates* column in the Module List section below indicates modules where this has occurred.

For more information on the ILM Comments and Maintenance process, please visit our website:

* ILM Maintenance: <https://ilm.nait.ca/ilm-maintenance>
* Comments: <https://ilm.nait.ca/comments>

QA Maintenance meeting dates for the 2022/23 academic year will be finalized and shared in September 2022.

Program Updates

It was confirmed during this year’s QA meeting that the Agricultural Equipment Technician trade name would be included on all 2nd and 4th year Heavy Equipment Technician modules. These had been erroneously removed in a previous version.

## Brand Refresh

The 2022 ILM publication includes a brand refresh for all (English) ILM files. This brand refresh only impacts the style/format of ILM products. It does not impact the content within the ILMs. Changes for each ILM product type include updates to the front and back covers of ILM files, ILM Graphics PowerPoint template, and both student and instructor Digital ILM templates.

## Module List

\*Maintenance updates include image/graphic updates, addressing of website comments, and changes identified at annual Quality Assurance meetings.

First Period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version[[1]](#footnote-2)** | **Maintenance Updates\*** | **Rebrand Updates** |
| 320101a | Safety Legislation Regulations and Industry Policy in the Trades | 24.0 | ✓ | ✓ |
| 320101b | Climbing Lifting Rigging and Hoisting | 24.0 | ✓ | ✓ |
| 320101c | Hazardous Materials and Fire Protection | 24.0 |  | ✓ |
| 320101d | Communication | 24.0 | ✓ | ✓ |
| 320101e | Materials Fastening Devices and Sealing Systems | 24.0 | ✓ | ✓ |
| 320101f | Precision Measuring Tools | 24.0 | ✓ | ✓ |
| 320101g | Hand Tools | 24.0 | ✓ | ✓ |
| 320102a | Welding Safety | 24.0 | ✓ | ✓ |
| 320102b | Oxy-Fuel Equipment | 24.0 | ✓ | ✓ |
| 320102cA | Shielded Metal Arc Welding (SMAW) - Part A | 24.0 | ✓ | ✓ |
| 320102cB | Shielded Metal Arc Welding (SMAW) - Part B | 24.0 | ✓ | ✓ |
| 320102d | Gas Metal Arc Welding (GMAW) | 24.0 | ✓ | ✓ |
| 320103a | Electrical Fundamentals | 24.0 | ✓ | ✓ |
| 320103b | Magnetism Fundamentals | 24.0 | ✓ | ✓ |
| 320103c | Voltage | 24.0 | ✓ | ✓ |
| 320103d | Electrical Current | 24.0 | ✓ | ✓ |
| 320103e | Electrical Resistance | 24.0 | ✓ | ✓ |
| 320103f | Battery Fundamentals and Service | 24.0 | ✓ | ✓ |
| 320103g | Diagnostic Procedures | 24.0 | ✓ | ✓ |
| 320104aA | Hydraulic Fundamentals - Part A | 24.0 | ✓ | ✓ |
| 320104aB | Hydraulic Fundamentals - Part B | 24.0 | ✓ | ✓ |
| 320104b | Hydraulic System Components: Reservoirs, Filters, Hoses and Coolers | 24.0 |  | ✓ |
| 320104c | Hydraulic System Components: Pumps Valves Cylinders and Accumulators | 24.0 | ✓ | ✓ |
| 320104d | Hydraulic Systems | 24.0 | ✓ | ✓ |
| 320105a | Tractor Performance | 24.0 |  | ✓ |
| 320105b | Suspensions and Steering Systems on Agricultural Equipment | 24.0 | ✓ | ✓ |
| 320105c | Cutting Equipment | 24.0 | ✓ | ✓ |
| 320105d | Baling Equipment | 24.0 | ✓ | ✓ |
| 320105e | Tillage Implements | 24.0 | ✓ | ✓ |
| 320105f | Other Types of Agricultural Equipment | 24.0 |  | ✓ |
| 320106aA | Clutch Fundamentals and Service - Part A | 24.0 | ✓ | ✓ |
| 320106aB | Clutch Fundamentals and Service - Part B | 24.0 | ✓ | ✓ |
| 320106b | Driveline Fundamentals and Service | 24.0 |  | ✓ |
| 320106c | Gearing Principles | 24.0 | ✓ | ✓ |
| 320106d | Drive Axle and Differential Fundamentals | 24.0 | ✓ | ✓ |

Third Period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Module Number** | **Module Name** | **New Version**1 | **Maintenance Updates\*** | **Rebrand Updates** |
| 320301a | Chemical Safety | 24.0 | ✓ | ✓ |
| 320301b | Sprayer Systems | 24.0 |  | ✓ |
| 320301c | Monitoring Equipment | 24.0 | ✓ | ✓ |
| 320301d | Suspension Systems for Sprayers | 24.0 |  | ✓ |
| 320302a | Air Conditioning Fundamentals | 24.0 |  | ✓ |
| 320302bA | Heating Ventilation and Air Conditioning (HVAC) Control Systems - Part A | 24.0 | ✓ | ✓ |
| 320302bB | Heating Ventilation and Air Conditioning (HVAC) Control Systems - Part B | 24.0 | ✓ | ✓ |
| 320302cA | Air Conditioning Testing Service and Retrofitting - Part A | 24.0 | ✓ | ✓ |
| 320302cB | Air Conditioning Testing Service and Retrofitting - Part B | 24.0 | ✓ | ✓ |
| 320303a | Hydraulic and Power Take-Off Clutches | 24.0 | ✓ | ✓ |
| 320303b | Heavy Duty Transmissions and Four Wheel Drives | 24.0 | ✓ | ✓ |
| 320303c | Preventive Maintenance | 24.0 | ✓ | ✓ |
| 320303d | Failure and Fluid Analysis | 24.0 | ✓ | ✓ |
| 320304a | Forage Harvesting Equipment | 24.0 | ✓ | ✓ |
| 320304b | Combines | 24.0 | ✓ | ✓ |
| 320304c | Yield Monitors | 24.0 | ✓ | ✓ |
| 320305a | Hydraulic Brake System Fundamentals | 24.0 | ✓ | ✓ |
| 320305b | Hydraulic Brake Systems (Drum and Disc) | 24.0 | ✓ | ✓ |
| 320305c | Hydraulic Brake System Diagnosis and Service | 24.0 | ✓ | ✓ |
| 320305d | Agricultural Braking Systems Fundamentals and Service | 24.0 | ✓ | ✓ |
| 320306a | GPS Mapping | 24.0 | ✓ | ✓ |
| 320306b | GPS Steering Guidance Systems | 24.0 | ✓ | ✓ |
| 320306c | Seeding Equipment | 24.0 | ✓ | ✓ |
| 320306d | Variable Rate Application | 24.0 | ✓ | ✓ |
| 320306e | Monitors and Sensors | 24.0 | ✓ | ✓ |

1. ILMs are updated on a module-by-module basis; not all modules in a Period are updated within the same cycle, and a combination of different version numbers within a Period is normal. **However, every module has received a new edition number for the 2022 publishing cycle to reflect their rebranding.** The most current, published version of each module will always be the version that is posted on the [Order Modules](https://ilm.nait.ca/order-modules) page of the ILM website. [↑](#footnote-ref-2)