BULLETIN 2020-109 August 27, 2020

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| U.S. Department of LaborEmployment and Training Administration, Office of Apprenticeship (OA) Washington, D.C. 20210 | Distribution:A-541 HdqtrsA-544 All Field TechA-547 SD+RD+SAA+; Lab.Com | Subject: New Apprenticeable Occupation, utilizing the Competency-based Occupational Framework for Robotics TechnicianCode: 200.1  |
| Symbols: DRAP/NSL | Action: Immediate |
| **PURPOSE:** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors, and other Registered Apprenticeship partners of the approval of the new Competency-based Occupational Framework (CBOF) for the occupation of Robotics Technician.(Existing Title: Machine Setter (WRobotics TechnicianO\*NET-SOC Code: 17-3024.01RAPIDS Code: 3002CBType of Training: Competency-based**BACKGROUND:** The National Office has approved a new Competency-based Occupational Framework (CBOF), developed in partnership with the Urban Institute. This CBOF has met industry standards and approval; it covers job titles and occupational pathways, related functions and performance criteria, as well as academic, workplace and personal competencies for job success. While use of CBOFs in developing standards utilizing the competency-based training approach is voluntary, no additional vetting of a Work Process Schedule (WPS) utilizing the CBOF should be required where a program aligns to the occupational framework described in a CBOF, beyond the basic requirements set forth in 29 CFR Part 29.4. While on-the-job learning (OJL) is ordinarily outlined in the WPS, sponsors who utilize a CBOF must develop the Related Instruction Outline, which should be included in the standards. The OA Administrator approved this occupation on August 22, 2020.Robotics Technicians:* Safely build, install, operate, test, monitor, maintain, calibrate, and repair unmanned, automated, servo-mechanical, or electromechanical equipment;
* Repair robots or peripheral equipment and troubleshoot robotic systems;
* Program and operate programmable logic controllers (PLCs), end-of-arm tools, robots and automated machinery, and conveyors, and they are able to troubleshoot these components;
* Perform preventative or corrective maintenance on robotics systems, assemble components, and properly and safely use necessary tools; and
* Evaluate the efficiency and reliability of industrial robotic systems, test performance, document procedures and results, and develop robotic path motions.

Within certain limits, the sponsors of CBOF apprenticeship programs are permitted to customize the job functions or competencies contained in a CBOF for the Robotics Technician occupation. However, OA encourages the use of all core competencies to be included in the approved WPS. **ACTION:** OA staff should familiarize themselves with this bulletin and the attached CBOF as a source for developing apprenticeship standards and/or providing technical assistance.If you have any questions, please contact Natalie Linton, Program Analyst, Division of Registered Apprenticeship and Policy at (202) 693-3592.**NOTE:** This bulletin is being sent via electronic mail.Attachment |