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| OFFICE OF APPRENTICESHIP  BULLETIN | **NO.**  2023-80 |
| **DATE**  May 17, 2023 |

**TO:** NATIONAL APPRENTICESHIP SYSTEM STAKEHOLDERS

OFFICE OF APPRENTICESHIP STAFF

STATE APPRENTICESHIP AGENCIES

**FROM:** JOHN V. LADD /s/

Administrator, Office of Apprenticeship

**SUBJECT:** New Apprenticeable Occupation: Printed Circuit Board (PCB) Layout Designer

1. **Purpose.** To inform the staff of OA, State Apprenticeship Agencies (SAA), Registered Apprenticeship program sponsors, and other Registered Apprenticeship partners of the following new apprenticeable occupation: Printed Circuit Board (PCB) Layout Designer
2. **Action Requested.** OA staff should familiarize themselves with this bulletin and the attached Work Process Schedule and Related Instruction Outline, as a source for developing apprenticeship standards and/or providing technical assistance.

Printed Circuit Board (PCB) Layout Designer will be added to the List of Occupations Recognized as Apprenticeable by OA located on www.apprenticeship.gov. A suggested Work Process Schedule and Related Instruction Outline are attached.

1. **Summary and Background.**
   1. Summary – The occupation Printed Circuit Board (PCB) Layout Designer was submitted by Laura Nelson, Offering Leader, on behalf of IBM, were processed by Kirk Jefferson and approved by the OA Administrator on May 3, 2023.
   2. Background –

***New/Revised Occupation Background -*** Under 29 CFR section 29.4, an occupation for a RAP must meet the following criteria to be determined apprenticeable:

1. Involve skills that are customarily learned in a practical way through a structured, systematic program of on-the job supervised learning:
2. Be clearly identified and commonly recognized throughout an industry;
3. Involve the progressive attainment of manual, mechanical, or technical skills and knowledge which, in accordance with the industry standard for the occupation, would require the completion of at least 2,000 hours of on-the-job learning to attain; and
4. Require related instruction to supplement the on-the job learning.
5. **New Apprenticeable Occupation.** The occupation Printed Circuit Board (PCB) Layout Designer was submitted for an apprenticeability determination.

Printed Circuit Board (PCB) Layout Designer

O\*NET-SOC CODE: 17-3012.00

RAPIDS Code: 3053CB

Type of Training: Competency-based

Average Term: 1 year

Printed Circuit Board (PCB) Layout Designer perform the following duties:

• Design and develop high density, multi-layered, and high speed printed circuit boards; and

• Develop and improve upon robust layout solutions by incorporating system architecture requirements.

1. **Inquiries.** If you have any questions, please, contact Kirk Jefferson, Apprenticeship & Training Representative at 202-693-3399.
2. **Attachments.**

