

# SENATE BILL 444

C1, C2

1r1241  
CF HB 658

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By: **Senator West**

Introduced and read first time: January 20, 2021

Assigned to: Finance

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Committee Report: Favorable with amendments

Senate action: Adopted

Read second time: February 26, 2021

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## CHAPTER \_\_\_\_\_

1 AN ACT concerning

2 **Transforming Manufacturing in a Digital Economy Workgroup**  
3 **(Making It in Maryland)**

4 FOR the purpose of establishing the Workgroup to Study the Transformation of  
5 Manufacturing in Maryland's Emerging Digital Economy; providing for the  
6 composition, chair, and staffing of the Workgroup; prohibiting a member of the  
7 Workgroup from receiving certain compensation, but authorizing the reimbursement  
8 of certain expenses; requiring the Workgroup to study and make recommendations  
9 regarding certain matters relating to the State's current and future workforce and  
10 emerging digital economy; requiring the Workgroup to submit an interim report and  
11 a final report to the Governor and the General Assembly on or before certain dates;  
12 providing for the termination of this Act; and generally relating to the Workgroup to  
13 Study the Transformation of Manufacturing in Maryland's Emerging Digital  
14 Economy.

15 Preamble

16 WHEREAS, The world now stands on the cusp of a technological revolution in  
17 artificial intelligence, robotics, and other advanced digital technologies that may prove as  
18 transformative for economic growth and human potential as were electrification, mass  
19 production, and electronic telecommunications in their eras; and

20 WHEREAS, Because of the unforeseeable and global outbreak of the COVID-19  
21 public health emergency, this technological transformation rapidly came to fruition without

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EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

Underlining indicates amendments to bill.

~~Strike out~~ indicates matter stricken from the bill by amendment or deleted from the law by amendment.



1 adequate preparedness, exposing our economy's vulnerabilities on an unprecedented scale;  
2 and

3 WHEREAS, In this new era of COVID-19, there is an imperative for the State to  
4 respond to this global digital technology transformation that is occurring within the  
5 manufacturing industry; and

6 WHEREAS, There is a required transformation within the workforce to ensure that  
7 diverse labor has the capabilities and confidence to work alongside new technologies and  
8 thrive in a digitized workplace; and

9 WHEREAS, In response, manufacturers will need to partner with industry leaders,  
10 education stakeholders, and State representatives to identify digital and related  
11 technologies impacting transformation, explore work skills and needed retraining of the  
12 labor force, and employ viable and innovative solutions to support manufacturers'  
13 transformation into the new digital economy; now, therefore,

14 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
15 That:

16 (a) There is a Workgroup to Study the Transformation of Manufacturing in  
17 Maryland's Emerging Digital Economy.

18 (b) The Workgroup consists of the following members:

19 (1) two members of the Senate of Maryland, appointed by the President of  
20 the Senate;

21 (2) two members of the House of Delegates, appointed by the Speaker of  
22 the House;

23 (3) the Secretary of Information Technology, or the Secretary's designee;

24 (4) the Secretary of Commerce, or the Secretary's designee;

25 (5) the Secretary of Labor, or the Secretary's designee;

26 (6) one member of the Maryland Manufacturing Advisory Board (MMAB),  
27 designated by the chair of MMAB;

28 (7) one representative of the Regional Manufacturing Institute of  
29 Maryland (RMI), designated by the President of RMI;

30 (8) one representative of the Maryland Association of Community Colleges  
31 (MACC), designated by the Executive Director of MACC;

1 (9) one representative of the Maryland Independent College and  
2 University Association (MICUA), designated by the President of MICUA;

3 (10) one representative of the University System of Maryland (USM),  
4 designated by the Chancellor of USM;

5 (11) one representative of the Maryland Manufacturing Extension  
6 Partnership (MD MEP), designated by the Executive Director of MD MEP;

7 (12) one representative of the Regional Additive Manufacturing Partnership  
8 of Maryland (RAMP MD), designated by the Executive Director of RAMP MD;

9 (13) one representative of the Maryland Tech Council (MTC), designated by  
10 the Chief Executive Officer of MTC;

11 (14) one representative of the Fraunhofer Center Mid-Atlantic, designated  
12 by the President of Fraunhofer USA;

13 (15) one representative of the Maryland State and District of Columbia  
14 AFL-CIO, designated by the President of the Maryland State and District of Columbia  
15 AFL-CIO; ~~and~~

16 (16) four representatives from manufacturing companies currently in good  
17 standing with the Maryland Department of Assessments and Taxation for the last 5 years,  
18 designated by the Board of Directors of RMI;

19 (17) one representative from a small, minority-owned manufacturing  
20 business currently in good standing with the Maryland Department of Assessments and  
21 Taxation, designated by the Board of Directors of RMI;

22 (18) one representative of the Printing & Graphics Association MidAtlantic  
23 (PGAMA), designated by the Chairman of PGAMA; and

24 (19) one representative of the Maryland Small Business Development  
25 Center.

26 (c) The President of the Senate and the Speaker of the House shall jointly  
27 designate the chair and vice chair of the Workgroup from among the members appointed  
28 by the President and the Speaker.

29 (d) The Department of ~~Legislative Services~~ Commerce shall provide staff for the  
30 Workgroup.

31 (e) A member of the Workgroup:

32 (1) may not receive compensation as a member of the Workgroup; but

1           (2) is entitled to reimbursement for expenses under the Standard State  
2 Travel Regulations, as provided in the State budget.

3           (f) The Workgroup shall:

4           (1) identify the new and emerging digital technologies that are shaping the  
5 work of the future, the education and skills needed, and the viable strategies for businesses  
6 to adopt these technologies;

7           (2) examine the research conducted by the Massachusetts Institute of  
8 Technology (MIT) on the relationships between emerging technologies and the workforce  
9 to enable a future of shared prosperity, entitled “The Work of the Future: Shaping  
10 Technology & Institutions”, MIT Work of the Future, Fall 2019 Report;

11           (3) examine existing financial resources available to manufacturers  
12 seeking to invest in Industry 4.0 technology;

13           (4) make recommendations to facilitate the State’s robust entry into  
14 Industry 4.0 technology to improve the perception of manufacturing careers, including:

15           (i) promoting the technological advancements of Industry 4.0 to  
16 shift the perception of manufacturing careers for the entry–level workforce; and

17           (ii) creating and advancing public–private partnerships between  
18 manufacturers, supportive community stakeholders, and education systems;

19           (5) examine new and viable tax credits and programs for manufacturers to  
20 be more competitive and marketable in the new digital economy;

21           (6) examine the State’s current statutory and regulatory authority over  
22 manufacturing to examine potential reforms to attract new manufacturing businesses  
23 brought by Industry 4.0 to invest in the State’s economy and workforce;

24           (7) recommend additional financial support delivery mechanisms, as  
25 needed, to enable State manufacturers to adopt Industry 4.0 technology and enhance the  
26 ability of industry service providers to increase the scope of their industry support;

27           (8) propose annual State funding to create a statewide training program to  
28 address the growing skills gap in the manufacturing workforce; and

29           (9) develop recommendations for long–term private–public partnerships  
30 between educational institutions and manufacturers to develop curriculums that address  
31 the rapidly changing needs of the manufacturing industry.

32           (g) On or before December 1, 2021, the Workgroup shall submit an interim report  
33 of its findings and recommendations to the Governor and, in accordance with § 2–1257 of  
34 the State Government Article, the General Assembly.

1 (h) On or before December 1, 2022, the Workgroup shall submit a final report of  
2 its findings and recommendations to the Governor and, in accordance with § 2-1257 of the  
3 State Government Article, the General Assembly.

4 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect July  
5 1, 2021. It shall remain effective for a period of 2 years and, at the end of June 30, 2023,  
6 this Act, with no further action required by the General Assembly, shall be abrogated and  
7 of no further force and effect.

Approved:

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Governor.

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President of the Senate.

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Speaker of the House of Delegates.