

**Proposed Substitute
Bill No. 1021**

LCO No. 5454

**AN ACT ESTABLISHING A MANUFACTURING TECHNOLOGY
WORKING GROUP.**

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (*Effective July 1, 2021*) (a) As used in this section: (1)
2 "Industry 4.0 technology", means the hardware, software and related
3 innovations associated with the digitization of the manufacturing
4 sector, allowing for the collection and analysis of all aspects of the
5 manufacturing operations leading to increased quality, efficiency,
6 productivity and security; and (2) "small and mid-sized manufacturers"
7 means businesses engaged in manufacturing having fewer than one
8 hundred fifty employees at any individual facility owned or operated
9 by the business.

10 (b) The chairpersons of the joint standing committee of the General
11 Assembly having cognizance of matters relating to commerce shall
12 appoint and convene a manufacturing technology working group to
13 develop a strategic plan to ensure that manufacturers in the state have a
14 strategy for the lean application and integration of Industry 4.0
15 technology into their product development and production processes.

16 (c) The working group shall:

17 (1) Compile comprehensive profiles, including mission statements

18 and lists of services, for all entities that receive state or federal funding
19 for the purpose of researching, developing, training, marketing,
20 consulting or deploying Industry 4.0 technology or associated services
21 directly to, or for the benefit of, manufacturing startups, small and mid-
22 sized manufacturers or other businesses primarily engaged in
23 manufacturing; and

24 (2) Conduct value-stream mapping and other analyses, as needed, to
25 assess the flow of services from the entities identified in subdivision (1)
26 of this subsection, to manufacturers in the state. Such analyses shall
27 include, but need not be limited to, (A) identifying the extent to which
28 such services complement, conflict with or duplicate each other, (B)
29 assessing the relative impacts of such services on the manufacturers
30 served, (C) identifying gaps in services provided relative to the Industry
31 4.0 technology needs of manufacturers, (D) identifying barriers and
32 recommendations for achieving the goals of the working group
33 described in subsection (b) of this section, and (E) identifying and
34 assessing participation levels in small business innovation research
35 programs and small business technology transfer programs.

36 (d) The chairpersons of the joint standing committee of the General
37 Assembly having cognizance of matters relating to commerce shall
38 appoint members to the working group. Appointments to the working
39 group shall include, but need not be limited to, representatives from the
40 joint standing committee of the General Assembly having cognizance of
41 matters relating to commerce, the Governor's chief manufacturing
42 officer, representatives of entities described in subdivision (1) of
43 subsection (c) of this section, a representative of the Connecticut Center
44 for Advanced Technology, a representative of CONNSTEP,
45 representatives of at least two manufacturers having fewer than
46 seventy-five employees, representatives of at least two manufacturers
47 having not less than seventy-five employees and not more than one
48 hundred fifty employees, a representative of CTNext, a representative
49 of the Connecticut Manufacturers' Collaborative, a representative of the
50 Connecticut State Colleges and Universities, a representative of the

51 Connecticut Conference of Independent Colleges, a representative of
52 The University of Connecticut and a representative of Central
53 Connecticut State University. The members of the working group
54 representing small and mid-sized manufacturers shall comprise not less
55 than thirty-three per cent of the working group and manufacturers shall
56 comprise not less than fifty per cent of the working group.

57 (e) The members appointed to represent the Connecticut Center for
58 Advanced Technology and CONNSTEP shall co-chair the working
59 group. The co-chairs shall schedule the first meeting of the working
60 group not later than August 31, 2021.

61 (f) Not later than March 15, 2022, the working group shall submit a
62 report, in accordance with the provisions of section 11-4a of the general
63 statutes, on its progress in accomplishing the goals set forth in
64 subsection (b) of this section to the joint standing committee of the
65 General Assembly having cognizance of matters relating to commerce.
66 Such report shall identify any barriers to accomplishing the goals set
67 forth in subsection (b) of this section.

68 (g) Not later than October 1, 2022, the working group shall submit a
69 strategic plan, in accordance with the provisions of section 11-4a of the
70 general statutes, to the joint standing committee of the General
71 Assembly having cognizance of matters relating to commerce that
72 includes data, findings and legislative proposals to accomplish the goals
73 set forth in subsection (b) of this section. The working group shall
74 terminate on the date it submits such report or October 1, 2022,
75 whichever is later.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>July 1, 2021</i>	New section