

**SENATE . . . . . No. 60**

---

**The Commonwealth of Massachusetts**

PRESENTED BY:

*Jason M. Lewis*

*To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:*

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

An Act establishing a commission on automated decision-making by government in the commonwealth.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	
<i>Jason M. Lewis</i>	<i>Fifth Middlesex</i>	
<i>Susan L. Moran</i>	<i>Plymouth and Barnstable</i>	<i>3/15/2021</i>
<i>James B. Eldridge</i>	<i>Middlesex and Worcester</i>	<i>5/10/2021</i>

**SENATE . . . . . No. 60**

---

By Mr. Lewis, a petition (accompanied by bill, Senate, No. 60) of Jason M. Lewis and Susan L. Moran for legislation to establish a commission on transparency and use of artificial intelligence in government decision-making. Advanced Information Technology, the Internet and Cybersecurity.

---

[SIMILAR MATTER FILED IN PREVIOUS SESSION  
SEE SENATE, NO. 1876 OF 2019-2020.]

**The Commonwealth of Massachusetts**

—————  
**In the One Hundred and Ninety-Second General Court  
(2021-2022)**  
—————

An Act establishing a commission on automated decision-making by government in the commonwealth.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

1           SECTION 1. Chapter 7D of the General Laws, as amended by chapter 64 of the acts of  
2           2020, is hereby further amended by inserting after section 10 the following new section:-

3           Section 11. (a) As used in this section, the following words shall have the following  
4           meanings unless the context clearly requires otherwise:

5           “Algorithm”, a specific procedure, set of rules, or order of operations designed to solve a  
6           problem or make a calculation, classification, or recommendation.

7 “Artificial intelligence”, computerized methods and tools, including but not limited to  
8 machine learning and natural language processing, that act in a way that resembles human  
9 cognitive abilities when it comes to solving problems or performing certain tasks.

10 “Automated decision system”, any computer program, method, statistical model, or  
11 process that aims to aid or replace human decision-making using algorithms or artificial  
12 intelligence. These systems can include analyzing complex datasets about human populations  
13 and government services or other activities to generate scores, predictions, classifications, or  
14 recommendations used by agencies to make decisions that impact human welfare.

15 “Commonwealth of Massachusetts or “Massachusetts office”, any agency, constitutional  
16 office, department, board, commission, bureau, division or authority of the commonwealth, or of  
17 any political subdivision thereof, or of any authority established by the general court to serve a  
18 public purpose.

19 “Source code”, the structure of a computer program that can be read and understood by  
20 people.

21 “Training data”, the data used to inform the development of an automated decision  
22 system and the decisions or recommendations it generates.

23 (b) There shall be a commission within the executive office of technology services and  
24 security for the purpose of studying and making recommendations relative to the use by the  
25 commonwealth of automated decision systems that may affect human welfare, including but not  
26 limited to the legal rights and privileges of individuals. In carrying out its work, the commission  
27 shall examine the following on an ongoing basis:

28 (i) a complete and specific survey of all uses of automated decision systems by the  
29 commonwealth of Massachusetts and the purposes for which such systems are used;

30 (ii) the principles, policies, and guidelines adopted by specific Massachusetts offices to  
31 inform the procurement, evaluation, and use of automated decision systems, the procedures by  
32 which such principles, policies, and guidelines are adopted, and any gaps in such principles,  
33 policies, and guidelines;

34 (iii) the training specific Massachusetts offices provide to individuals using automated  
35 decision systems, the procedures for enforcing the principles, policies, and guidelines regarding  
36 their use, and any gaps in training or enforcement;

37 (iv) the manner by which Massachusetts offices validate and test the automated decision  
38 systems they use, and the manner by which they evaluate those systems on an ongoing basis,  
39 specifying the training data, input data, systems analysis, studies, vendor or community  
40 engagement, third-parties, or other methods used in such validation, testing, and evaluation;

41 (v) matters related to the transparency, explicability, auditability, and accountability of  
42 automated decision systems, including information about their structure; the processes guiding  
43 their procurement, implementation and review; whether they can be audited externally and  
44 independently; and the people who operate such systems and the training they receive;

45 (vi) the manner and extent to which Massachusetts offices make the automated decision  
46 systems they use available to external review, and any existing policies, laws, procedures, or  
47 guidelines that may limit external access to data or technical information that is necessary for  
48 audits, evaluation, or validation of such systems;

49 (vii) the due process rights of individuals directly affected by automated decision  
50 systems, and the public disclosure and transparency procedures necessary to ensure such  
51 individuals are aware of the use of the systems and understand their related due process rights;

52 (viii) uses of automated decision systems that directly or indirectly result in disparate  
53 outcomes for individuals or communities based on age, race, creed, color, religion, national  
54 origin, gender, disability, sexual orientation, marital status, veteran status, receipt of public  
55 assistance, economic status, location of residence, or citizenship status;

56 (ix) technical, legal, or policy controls to improve the just and equitable use of automated  
57 decision systems and mitigate any disparate impacts deriving from their use, including best  
58 practices and policies developed through research and academia or in other states and  
59 jurisdictions;

60 (x) matters related to data sources, data sharing agreements, data security provisions,  
61 compliance with data protection laws and regulations, and all other issues related to how data is  
62 protected, used, and shared by agencies using automated decision systems;

63 (xi) matters related to automated decision systems and intellectual property, such as the  
64 existence of non-disclosure agreements, trade secrets claims, and other proprietary interests, and  
65 the impacts of intellectual property considerations on transparency, explicability, auditability,  
66 accountability, and due process; and

67 (xii) any other opportunities and risks associated with the use of automated decision  
68 systems by Massachusetts offices.

69 (c) The commission shall consist of the secretary of technology services and security or  
70 the secretary's designee, who shall serve as chair; the house and senate chairs of the joint  
71 committee on state administration and regulatory oversight; the chief justice of the supreme  
72 judicial court or a designee; the attorney general or a designee; the state auditor or a designee;  
73 the inspector general or a designee; the secretaries of the Executive Office of Public Safety and  
74 Security, Department of Children and Families, and Executive Office of Health and Human  
75 Services, or their designees; the chief counsel of the committee for public counsel services or a  
76 designee; the chief legal counsel of the Massachusetts Bar Association or a designee; the  
77 executive director of the American Civil Liberties Union of Massachusetts or a designee; 4  
78 representatives from academic institutions in the Commonwealth who shall be experts in (i)  
79 artificial intelligence and machine learning, (ii) data science and information policy, (iii) social  
80 implications of artificial intelligence and technology; or (iv) technology and the law; the  
81 executive director of the Massachusetts Law Reform Institute or a designee; 1 representative  
82 from a the National Association of Social Workers; and 1 representative from the Massachusetts  
83 High Technology Council.

84 (d) Members of the commission shall be appointed within 45 days of the effective date of  
85 this act. The commission shall meet at the call of the chair based on the commission's workload  
86 but not fewer than 6 times per calendar year.

87 (e) The commission shall submit an annual report by December 31 to the governor, the  
88 clerks of the house of representatives and the senate, and the joint committee on state  
89 administration and regulatory oversight. The report will be a public record and it shall include,  
90 but not be limited to, a description of the commission's activities and any community  
91 engagement undertaken by the commission, the commission's findings and any recommendations

92 for regulatory or legislative action, including recommendations about areas where Massachusetts  
93 offices ought not to use automated decision systems, with a timeline for implementation, cost  
94 estimates and finance mechanisms. The report shall also detail the extent of algorithmic decision-  
95 making used by the commonwealth of Massachusetts and the progress made toward  
96 implementing any previous recommendations issued by the commission.