

HOUSE BILL 1132

P1
HB 1359/22 – APP

3lr2742

By: **Delegates Hill, Charles, Qi, Ruth, and Wu**
Introduced and read first time: February 10, 2023
Assigned to: Appropriations

A BILL ENTITLED

1 AN ACT concerning

2 **State Government – Technology and Science Advisory Commission**
3 **– Established**

4 FOR the purpose of establishing the Technology and Science Advisory Commission to study
5 and make recommendations on technology and science in the State; and generally
6 relating to the Technology and Science Advisory Commission.

7 BY adding to

8 Article – State Government

9 Section 9–3801 and 9–3802 to be under the new subtitle “Subtitle 38. Technology
10 and Science Advisory Commission”

11 Annotated Code of Maryland

12 (2021 Replacement Volume and 2022 Supplement)

13 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,
14 That the Laws of Maryland read as follows:

15 **Article – State Government**

16 **SUBTITLE 38. TECHNOLOGY AND SCIENCE ADVISORY COMMISSION.**

17 **9–3801.**

18 **(A) IN THIS SUBTITLE THE FOLLOWING WORDS HAVE THE MEANINGS**
19 **INDICATED.**

20 **(B) (1) “ALGORITHMIC DECISION SYSTEM” MEANS A COMPUTATIONAL**
21 **PROCESS THAT FACILITATES DECISION MAKING.**

22 **(2) “ALGORITHMIC DECISION SYSTEM” INCLUDES DECISIONS**

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 DERIVED FROM MACHINES, STATISTICS, FACIAL RECOGNITION, AND DECISIONS ON
2 PAPER.

3 (C) "RESPONSIBLE ARTIFICIAL INTELLIGENCE" MEANS THE PRACTICE OF
4 DESIGNING, DEVELOPING, AND DEPLOYING ARTIFICIAL INTELLIGENCE WITH
5 POSITIVE INTENTIONS THAT WILL EMPOWER OFFICIALS AND CONSUMERS AND
6 CREATE TRUST AND CONFIDENCE.

7 9-3802.

8 (A) THERE IS A TECHNOLOGY AND SCIENCE ADVISORY COMMISSION.

9 (B) THE COMMISSION SHALL CONSIST OF:

10 (1) THE FOLLOWING MEMBERS WITH AN EXPERTISE IN SCIENCE AND
11 TECHNOLOGY:

12 (I) ONE REPRESENTATIVE OF THE UNIVERSITY OF MARYLAND,
13 BALTIMORE COUNTY, DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

14 (II) ONE REPRESENTATIVE OF THE UNIVERSITY OF MARYLAND,
15 COLLEGE PARK CAMPUS, DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

16 (III) ONE REPRESENTATIVE OF THE UNIVERSITY OF MARYLAND,
17 BALTIMORE CAMPUS, DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

18 (IV) ONE REPRESENTATIVE OF MORGAN STATE UNIVERSITY,
19 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

20 (V) ONE REPRESENTATIVE OF JOHNS HOPKINS UNIVERSITY,
21 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY, OR THE PRESIDENT'S
22 DESIGNEE;

23 (VI) ONE REPRESENTATIVE OF TOWSON UNIVERSITY,
24 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

25 (VII) ONE REPRESENTATIVE OF FROSTBURG STATE UNIVERSITY,
26 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

27 (VIII) ONE REPRESENTATIVE OF THE UNIVERSITY OF MARYLAND
28 EASTERN SHORE, DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

29 (IX) ONE REPRESENTATIVE OF BOWIE STATE UNIVERSITY,

1 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

2 (X) ONE REPRESENTATIVE OF COPPIN STATE UNIVERSITY,
3 DESIGNATED BY THE PRESIDENT OF THE UNIVERSITY;

4 (XI) ONE REPRESENTATIVE OF THE UNITED STATES NAVAL
5 ACADEMY, DESIGNATED BY THE SUPERINTENDENT OF THE NAVAL ACADEMY;

6 (XII) ONE REPRESENTATIVE OF THE MARYLAND ASSOCIATION
7 OF COMMUNITY COLLEGES, DESIGNATED BY THE EXECUTIVE DIRECTOR OF THE
8 ASSOCIATION;

9 (XIII) ONE REPRESENTATIVE OF THE JOHNS HOPKINS
10 UNIVERSITY APPLIED PHYSICS LAB, DESIGNATED BY THE DIRECTOR OF THE LAB;

11 (XIV) ONE REPRESENTATIVE OF THE MARYLAND TECHNOLOGY
12 COUNCIL, DESIGNATED BY THE CHAIR OF THE COUNCIL;

13 (XV) ONE REPRESENTATIVE OF THE MARYLAND CHAMBER OF
14 COMMERCE, DESIGNATED BY THE MARYLAND CHAMBER OF COMMERCE; AND

15 (XVI) ONE REPRESENTATIVE OF THE HILLTOP INSTITUTE AT THE
16 UNIVERSITY OF MARYLAND, BALTIMORE COUNTY, DESIGNATED BY THE
17 EXECUTIVE DIRECTOR OF THE INSTITUTE;

18 (2) THE PRESIDENT OF THE CHESAPEAKE REGIONAL INFORMATION
19 SYSTEM FOR OUR PATIENTS, OR THE PRESIDENT'S DESIGNEE;

20 (3) THE SECRETARY OF INFORMATION TECHNOLOGY, OR THE
21 SECRETARY'S DESIGNEE;

22 (4) ONE REPRESENTATIVE OF THE DEPARTMENT OF HUMAN
23 SERVICES, WITH EXPERIENCE IN THE MARYLAND TOTAL HUMAN SERVICES
24 INTEGRATED NETWORK (THINK) PLATFORM, DESIGNATED BY THE SECRETARY OF
25 HUMAN SERVICES;

26 (5) THE SECRETARY OF TRANSPORTATION, OR THE SECRETARY'S
27 DESIGNEE;

28 (6) THE SECRETARY OF HEALTH, OR THE SECRETARY'S DESIGNEE;

29 (7) ONE REPRESENTATIVE OF THE OFFICE OF MINORITY HEALTH
30 AND HEALTH DISPARITIES, DESIGNATED BY THE SECRETARY OF HEALTH;

1 **(8) ONE REPRESENTATIVE OF THE INFORMATION TECHNOLOGY**
2 **ADVISORY COUNCIL, DESIGNATED BY THE SECRETARY OF INFORMATION**
3 **TECHNOLOGY;**

4 **(9) ONE REPRESENTATIVE OF THE DIVISION OF PAROLE AND**
5 **PROBATION, DESIGNATED BY THE SECRETARY OF PUBLIC SAFETY AND**
6 **CORRECTIONAL SERVICES;**

7 **(10) ONE REPRESENTATIVE OF THE OFFICE OF INVESTIGATION,**
8 **INTELLIGENCE, AND FUGITIVE APPREHENSION, DESIGNATED BY THE SECRETARY**
9 **OF PUBLIC SAFETY AND CORRECTIONAL SERVICES;**

10 **(11) ONE REPRESENTATIVE OF THE STATE ADVISORY BOARD FOR**
11 **JUVENILE SERVICES, DESIGNATED BY THE SECRETARY OF JUVENILE SERVICES;**
12 **AND**

13 **(12) THE ATTORNEY GENERAL, OR THE ATTORNEY GENERAL'S**
14 **DESIGNEE.**

15 **(C) THE COMMISSION SHALL ELECT THE CHAIR OF THE COMMISSION FROM**
16 **AMONG ITS MEMBERS.**

17 **(D) THE DEPARTMENT OF INFORMATION TECHNOLOGY SHALL PROVIDE**
18 **STAFF FOR THE COMMISSION.**

19 **(E) A MEMBER OF THE COMMISSION:**

20 **(1) MAY NOT RECEIVE COMPENSATION AS A MEMBER OF THE**
21 **COMMISSION; BUT**

22 **(2) IS ENTITLED TO REIMBURSEMENT FOR EXPENSES UNDER THE**
23 **STANDARD STATE TRAVEL REGULATIONS, AS PROVIDED IN THE STATE BUDGET.**

24 **(F) THE COMMISSION SHALL:**

25 **(1) ADVISE STATE AGENCIES ON TECHNOLOGY AND SCIENCE**
26 **DEVELOPMENTS;**

27 **(2) MAKE RECOMMENDATIONS ON THE PROPER USE OF DEVELOPING**
28 **TECHNOLOGY AND SCIENCE WITHIN THE STATE AND HOW DEVELOPMENTS CAN BE**
29 **IMPLEMENTED IN THE STATE;**

1 **(3) REVIEW AND MAKE RECOMMENDATIONS ON ALGORITHMIC**
2 **DECISION SYSTEM POLICIES, PRACTICES, AND REGULATIONS EMPLOYED BY STATE**
3 **AGENCIES;**

4 **(4) CREATE A FRAMEWORK FOR ADDRESSING THE ETHICS OF**
5 **EMERGING AND INNOVATIVE TECHNOLOGIES AND SCIENCE THAT WILL AVOID**
6 **SYSTEMIC HARM AND BIAS AND PRIORITIZE:**

7 **(I) EQUITY;**

8 **(II) SUSTAINABILITY;**

9 **(III) ACCOUNTABILITY; AND**

10 **(IV) RESPONSIBLE STEWARDSHIP OF PUBLIC RESOURCES;**

11 **(5) PROHIBIT INDIVIDUALS FROM INHIBITING THE EXPERTISE OF**
12 **THE COMMISSION MEMBERS AND INTERFERING WITH DATA DEVELOPED FROM**
13 **RECOMMENDATIONS; AND**

14 **(6) ESTABLISH WORKGROUPS TO STUDY AND MAKE**
15 **RECOMMENDATIONS ON:**

16 **(I) CLARIFYING AND PRACTICING RESPONSIBLE ARTIFICIAL**
17 **INTELLIGENCE IN OPERATIONS, PROCUREMENT, AND POLICY AND DEFINING A CODE**
18 **OF ETHICS FOR ITS INTEGRATION AND USE;**

19 **(II) 1. RESEARCHING RAPIDLY ADVANCING TECHNOLOGY**
20 **AND SCIENCE AND MAINTAINING AND UPDATING POLICIES, PROCESSES, AND**
21 **SYSTEMS IN STATE AGENCIES; AND**

22 **2. HOW THE STATE CAN BETTER PARTNER WITH**
23 **PRIVATE AND NONPROFIT FIELD EXPERTS FOR THE PURPOSE OF STAYING ABREAST**
24 **OF AND RESPONSIBLY USING THE MOST CURRENTLY AVAILABLE SCIENTIFIC AND**
25 **TECHNOLOGICAL INFORMATION IN IMPLEMENTING AND MAINTAINING ITS**
26 **PROGRAMS IN A FISCALLY RESPONSIBLE MANNER; AND**

27 **(III) THE CONCORDANCE BETWEEN EVOLVING TECHNOLOGY**
28 **AND REGULATIONS RELATED TO STATE LICENSING AND CERTIFICATION,**
29 **IDENTIFYING:**

30 **1. WAYS FOR REGULATORY BOARDS TO KEEP UP WITH**
31 **EMERGING TECHNOLOGY SO AS TO DETERMINE AND APPROPRIATELY ALIGN**

1 PERMITTED USE OF, AND LEVEL OF SUPERVISION FOR, NEW TECHNOLOGY;

2 **2. THE RISKS FOR PHYSICAL HARM TO CONSUMERS**
3 **ASSOCIATED WITH THE USE OF THE NEW TECHNOLOGY; AND**

4 **3. LICENSEE CATEGORIES WHOSE MEMBERS HAVE THE**
5 **NECESSARY SKILLS, EDUCATION, AND ABILITY TO MINIMIZE AND ADDRESS HARM**
6 **THAT MAY OCCUR.**

7 **(G) FOR EACH FISCAL YEAR, THE GOVERNOR SHALL INCLUDE IN THE**
8 **ANNUAL BUDGET BILL AN APPROPRIATION OF \$100,000 TO THE COMMISSION.**

9 **(H) ON OR BEFORE DECEMBER 31 EACH YEAR, THE COMMISSION SHALL**
10 **SUBMIT A REPORT ON ITS ACTIVITIES AND RECOMMENDATIONS TO THE GOVERNOR**
11 **AND, IN ACCORDANCE WITH § 2-1257 OF THIS ARTICLE, THE GENERAL ASSEMBLY.**

12 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect July
13 1, 2023. It shall remain effective for a period of 5 years and, at the end of June 30, 2028,
14 this Act, with no further action required by the General Assembly, shall be abrogated and
15 of no further force and effect.