HOUSE BILL 1202

E4, P1 2lr1778 CF SB 754

By: Delegates P. Young, Kerr, Feldmark, Bartlett, Kelly, Kipke, Ebersole, Hornberger, and McIntosh McIntosh, Bagnall, Bhandari, Carr, Chisholm, Cullison, Hill, Johnson, Kaiser, Landis, R. Lewis, Morgan, Pena-Melnyk, Pendergrass, Reilly, Rosenberg, Saab, Sample-Hughes, Szeliga, and K. Young

Introduced and read first time: February 11, 2022 Assigned to: Health and Government Operations

Committee Report: Favorable with amendments

House action: Adopted

Read second time: March 13, 2022

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1 AN ACT concerning

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Local Government Cybersecurity – Coordination and Operations (Local Cybersecurity Support Act of 2022)

FOR the purpose of establishing the Cyber Preparedness Unit in the Maryland Department of Emergency Management; establishing certain responsibilities of the Unit; requiring eertain local entities local governments to report certain cybersecurity incidents in a certain manner and under certain circumstances; requiring the Maryland Joint Operations Center to notify appropriate agencies of a cybersecurity incident in a certain manner; establishing the Cybersecurity Fusion Center in the Maryland Department of Emergency Management; establishing certain responsibilities of the Fusion Center; establishing the Local Cybersecurity Support Fund, the purposes of the Fund, and certain eligibility requirements to receive assistance from the Fund; establishing the Office of Security Management within the Department of Information Technology and certain Office positions; establishing certain responsibilities and authority of the Office; requiring each unit of the Legislative or Judicial Branch of State government, each unit of local government, and any local agencies that use a certain network to certify certain compliance to the Department of Information Technology on or before a certain date each year; requiring certain local entities to submit a certain report to the Office on or before a certain date each year; requiring the Office to submit a certain report to the Governor and certain committees of the General Assembly on or before a certain date each

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

<u>Underlining</u> indicates amendments to bill.

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



$\frac{1}{2}$	year; requiring the State Chief Information Security Officer and the Secretary of Emergency Management to conduct a certain review, make recommendations,
3	establish certain guidance, and submit a certain report on or before a certain date;
4	requiring the State Chief Information Security Officer to commission a certain
5	feasibility study and report recommendations on or before a certain date; requiring
6	the Governor to include an appropriation in a certain annual budget to cover the cost
7	of the feasibility study; and generally relating to local government cybersecurity
8	coordination and operations.
9	BY renumbering
10	Article – State Finance and Procurement
11	Section 3A-101 through 3A-702, respectively, and the title "Title 3A. Department of
12	Information Technology"
13	to be Section 3.5-101 through 3.5-702, respectively, and the title "Title 3.5.
14	Department of Information Technology"
15	Annotated Code of Maryland
16	(2021 Replacement Volume)
17	BY repealing and reenacting, with amendments,
18	Article – Criminal Procedure
19	Section 10–221(b)
20	Annotated Code of Maryland
21	(2018 Replacement Volume and 2021 Supplement)
22	BY repealing and reenacting, with amendments,
23	Article – Health – General
24	Section $21-2C-03(h)(2)(i)$
25	Annotated Code of Maryland
26	(2019 Replacement Volume and 2021 Supplement)
27	BY repealing and reenacting, with amendments,
28	Article – Human Services
29	Section 7–806(a), (b)(1), (c)(1), (d)(1) and (2)(i), and (g)(1)
30	Annotated Code of Maryland
31	(2019 Replacement Volume and 2021 Supplement)
32	BY repealing and reenacting, with amendments,
33	Article – Insurance
34	Section 31–103(a)(2)(i) and (b)(2)
35	Annotated Code of Maryland
36	(2017 Replacement Volume and 2021 Supplement)
37	BY repealing and reenacting, with amendments,
38	Article – Natural Resources
39	Section 1–403(c)
40	Annotated Code of Maryland
41	(2018 Replacement Volume and 2021 Supplement)

1	BY repealing and reenacting, without amendments,
2	Article – Public Safety
3	Section 14–103
4	Annotated Code of Maryland
5	(2018 Replacement Volume and 2021 Supplement)
6	BY adding to
7	Article – Public Safety
8	Section 14–104.1
9	Annotated Code of Maryland
10	(2018 Replacement Volume and 2021 Supplement)
11	BY repealing and reenacting, without amendments,
12	Article – State Finance and Procurement
13	Section 3.5–101(a) and (e) and 3.5–301(a)
14	Annotated Code of Maryland
15	(2021 Replacement Volume)
16	(As enacted by Section 1 of this Act)
17	BY adding to
18	Article – State Finance and Procurement
19	Section 3.5–2A–01 through 3.5–2A–04 to be under the new subtitle "Subtitle 2A.
20	Office of Security Management"; and 3.5–405 and 6–226(a)(2)(ii)146.
21	Annotated Code of Maryland
22	(2021 Replacement Volume)
23	BY repealing and reenacting, with amendments,
24	Article – State Finance and Procurement
25	Section 3.5–301(j), 3.5–302(c), 3.5–303(c)(2)(ii)2., 3.5–307(a)(2), 3.5–309(c)(2), (i)(3),
26	and (l)(1)(i), 3.5–311(a)(2)(i), and 3.5–404
27	Annotated Code of Maryland
28	(2021 Replacement Volume)
29	(As enacted by Section 1 of this Act)
30	BY repealing and reenacting, without amendments,
31	Article - State Finance and Procurement
32	Section 6-226(a)(2)(i)
33	Annotated Code of Maryland
34	(2021 Replacement Volume)
35	BY repealing and reenacting, with amendments,
36	Article - State Finance and Procurement
37	Section 6-226(a)(2)(ii)144. and 145. and 12-107(b)(2)(i)10. and 11.
38	Annotated Code of Maryland
39	(2021 Replacement Volume)
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(i)

1 2 3 4 5	BY repealing and reenacting, with amendments, Article – State Government Section 2–1224(f) Annotated Code of Maryland (2021 Replacement Volume)			
6 7 8 9 10	BY adding to Article – State Government Section 2–1224(i) Annotated Code of Maryland (2021 Replacement Volume)			
11 12 13 14 15	SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND, That Section(s) 3A–101 through 3A–702, respectively, and the title "Title 3A. Department of Information Technology" of Article – State Finance and Procurement of the Annotated Code of Maryland be renumbered to be Section(s) 3.5–101 through 3.5–702, respectively, and the title "Title 3.5. Department of Information Technology".			
16 17	SECTION 2. AND BE IT FURTHER ENACTED, That the Laws of Maryland read as follows:			
18	Article - Criminal Procedure			
19	10–221.			
20 21 22	(b) Subject to Title [3A] 3.5 , Subtitle 3 of the State Finance and Procurement Article, the regulations adopted by the Secretary under subsection (a)(1) of this section and the rules adopted by the Court of Appeals under subsection (a)(2) of this section shall:			
23 24	(1) regulate the collection, reporting, and dissemination of criminal history record information by a court and criminal justice units;			
25 26	(2) ensure the security of the criminal justice information system and criminal history record information reported to and collected from it;			
27 28	(3) regulate the dissemination of criminal history record information in accordance with Subtitle 1 of this title and this subtitle;			
29 30	(4) regulate the procedures for inspecting and challenging criminal history record information;			
31 32	(5) regulate the auditing of criminal justice units to ensure that criminal history record information is:			

accurate and complete; and

- 1 collected, reported, and disseminated in accordance with Subtitle 2 1 of this title and this subtitle: 3 regulate the development and content of agreements between the 4 Central Repository and criminal justice units and noncriminal justice units; and 5 regulate the development of a fee schedule and provide for the collection 6 of the fees for obtaining criminal history record information for other than criminal justice 7 purposes. 8 Article - Health - General 9 21-2C-03. 10 (h) (2)The Board is subject to the following provisions of the State Finance 11 and Procurement Article: Title [3A] **3.5**, Subtitle 3 (Information Processing), to the extent 12(i) 13 that the Secretary of Information Technology determines that an information technology 14 project of the Board is a major information technology development project; **Article - Human Services** 15 16 7–806. 17 (a) Subject to paragraph (2) of this subsection, the programs under § 7-804(a) of this subtitle, § 7-902(a) of this title, and [§ 3A-702] § 3.5-702 of the State 18 19 Finance and Procurement Article shall be funded as provided in the State budget. 20 (2)For fiscal year 2019 and each fiscal year thereafter, the program under [§ 3A-702] § 3.5-702 of the State Finance and Procurement Article shall be funded at an 2122amount that: 23 is equal to the cost that the Department of Aging is expected to (i) 24incur for the upcoming fiscal year to provide the service and administer the program; and 25(ii) does not exceed 5 cents per month for each account out of the 26surcharge amount authorized under subsection (c) of this section.
- provided in this subtitle;

 (ii) 8.7.902(a) of this title, subject to the limitations and controls

paying the costs of maintaining and operating the programs under:

There is a Universal Service Trust Fund created for the purpose of

§ 7–804(a) of this subtitle, subject to the limitations and controls

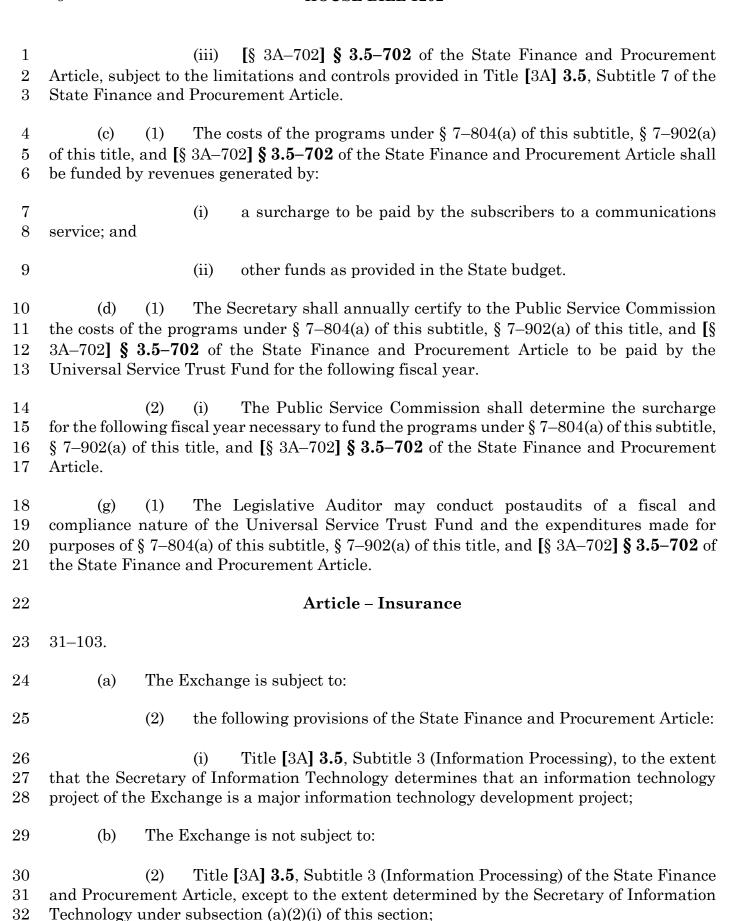
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(b)

31 (ii) § 7–902(a) of this title, subject to the limitations and controls 32 provided in Subtitle 9 of this title; and



Article - Natural Resources 1 2 1-403.3 The Department shall develop the electronic system consistent with the statewide information technology master plan developed under Title [3A] 3.5, Subtitle 3 of 4 the State Finance and Procurement Article. 6 Article - Public Safety 7 14-103. 8 (a) There is a Maryland Department of Emergency Management established as a 9 principal department of the Executive Branch of State government. 10 The Department has primary responsibility and authority for developing 11 emergency management policies and is responsible for coordinating disaster risk reduction, 12 consequence management, and disaster recovery activities. 13 (c) The Department may act to: 14 reduce the disaster risk and vulnerability of persons and property located in the State: 15 16 (2)develop and coordinate emergency planning and preparedness; and 17 (3)coordinate emergency management activities and operations: 18 (i) relating to an emergency that involves two or more State agencies; 19 20 (ii) between State agencies and political subdivisions; 21(iii) with local governments; 22(iv) with agencies of the federal government and other states; and 23(v) with private and nonprofit entities. 2414-104.1. 25(A) **(1)** IN THIS SECTION THE FOLLOWING WORDS HAVE THE MEANINGS INDICATED. 26

"FUND" MEANS THE LOCAL CYBERSECURITY SUPPORT FUND.

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1		(3)	"Fusion	CENTER"	MEANS	THE	CYBERSECURITY	
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- 2 CENTER.
- 3 (4) (2) "LOCAL GOVERNMENT" INCLUDES LOCAL SCHOOL 4 SYSTEMS, LOCAL SCHOOL BOARDS, AND LOCAL HEALTH DEPARTMENTS.
- 5 "Unit" means the Cyber Preparedness Unit.
- 6 (B) (1) THERE IS A CYBER PREPAREDNESS UNIT IN THE DEPARTMENT.
- 7 (2) IN COORDINATION WITH THE STATE CHIEF INFORMATION 8 SECURITY OFFICER, THE UNIT SHALL:
- 9 (I) SUPPORT LOCAL GOVERNMENTS IN DEVELOPING A
- 10 VULNERABILITY ASSESSMENT AND CYBER ASSESSMENT THROUGH THE MARYLAND
- 11 NATIONAL GUARD'S INNOVATIVE READINESS TRAINING PROGRAM OR THE U.S.
- 12 DEPARTMENT OF HOMELAND SECURITY CYBERSECURITY AND INFRASTRUCTURE
- 13 SECURITY AGENCY, INCLUDING PROVIDING LOCAL GOVERNMENTS WITH THE
- 14 RESOURCES AND INFORMATION ON BEST PRACTICES TO COMPLETE THE
- 15 ASSESSMENTS:
- 16 (II) DEVELOP AND REGULARLY UPDATE AN ONLINE DATABASE
- 17 OF CYBERSECURITY TRAINING RESOURCES FOR LOCAL GOVERNMENT PERSONNEL,
- 18 INCLUDING TECHNICAL TRAINING RESOURCES, CYBERSECURITY CONTINUITY OF
- 19 OPERATIONS TEMPLATES, CONSEQUENCE MANAGEMENT PLANS, AND TRAININGS ON
- 20 MALWARE AND RANSOMWARE DETECTION;
- 21 (III) ESTABLISH AND PROVIDE STAFF FOR A STATEWIDE
- 22 HELPLINE TO PROVIDE REAL-TIME EMERGENCY ASSISTANCE AND RESOURCE
- 23 INFORMATION TO ANY LOCAL GOVERNMENT THAT HAS EXPERIENCED A CYBER
- 24 INCIDENT OR ATTACK;
- 25 (IV) ASSIST LOCAL GOVERNMENTS IN:
- 26 1. THE DEVELOPMENT OF CYBERSECURITY
- 27 PREPAREDNESS AND RESPONSE PLANS; AND
- 28 2. IMPLEMENTING BEST PRACTICES AND GUIDANCE
- 29 DEVELOPED BY THE STATE CHIEF INFORMATION SECURITY OFFICER;
- 30 (V) CONNECT LOCAL GOVERNMENTS TO APPROPRIATE
- 31 RESOURCES FOR ANY OTHER PURPOSE RELATED TO CYBERSECURITY
- 32 PREPAREDNESS AND RESPONSE;

1 2	(VI) DEVELOP APPROPRIATE REPORTS ON LOCAL CYBERSECURITY PREPAREDNESS;
3 4 5	(VII) AS NECESSARY AND IN COORDINATION WITH THE NATIONAL GUARD, LOCAL EMERGENCY MANAGERS, AND OTHER STATE AND LOCAL ENTITIES, CONDUCT REGIONAL CYBERSECURITY PREPAREDNESS EXERCISES; AND
6 7 8	(VIII) ESTABLISH REGIONAL ASSISTANCE GROUPS TO DELIVER AND COORDINATE SUPPORT SERVICES TO LOCAL GOVERNMENTS, AGENCIES, OR REGIONS.
9 10 11 12 13	(C) (1) EACH LOCAL GOVERNMENT SHALL REPORT A CYBERSECURITY INCIDENT, INCLUDING AN ATTACK ON A STATE SYSTEM BEING USED BY THE LOCAL GOVERNMENT, TO THE APPROPRIATE LOCAL EMERGENCY MANAGER, THE SECURITY OPERATIONS CENTER IN THE DEPARTMENT OF INFORMATION TECHNOLOGY, AND THE MARYLAND JOINT OPERATIONS CENTER IN THE DEPARTMENT IN ACCORDANCE WITH PARAGRAPH (2) OF THIS SUBSECTION.
15 16 17	(2) For the reporting of cybersecurity incidents under paragraph (1) of this subsection, the Department State Chief <u>Information Security Officer</u> shall determine:
18 19	(I) THE CRITERIA FOR DETERMINING WHEN AN INCIDENT MUST BE REPORTED;
20	(II) THE MANNER IN WHICH TO REPORT; AND
21	(III) THE TIME PERIOD WITHIN WHICH A REPORT MUST BE MADE.
22 23 24 25	(3) THE MARYLAND JOINT OPERATIONS CENTER SHALL IMMEDIATELY NOTIFY APPROPRIATE AGENCIES OF A CYBERSECURITY INCIDENT REPORTED UNDER THIS SUBSECTION THROUGH THE STATE SECURITY OPERATIONS CENTER.
26 27	(D) (1) THERE IS A CYBERSECURITY FUSION CENTER IN THE DEPARTMENT.
28	(2) THE FUSION CENTER SHALL:
29 30 31	(I) COORDINATE INFORMATION ON CYBERSECURITY BY SERVING AS A CENTRAL LOCATION FOR INFORMATION SHARING ACROSS STATE AND LOCAL GOVERNMENT, FEDERAL GOVERNMENT PARTNERS, AND PRIVATE ENTITIES;

1	(II) WITH THE OFFICE OF SECURITY MANAGEMENT IN THE
2	DEPARTMENT OF INFORMATION TECHNOLOGY, SUPPORT CYBERSECURITY
3	COORDINATION BETWEEN LOCAL UNITS OF GOVERNMENT THROUGH EXISTING
4	LOCAL GOVERNMENT STAKEHOLDER ORGANIZATIONS;
5	(HI) PROVIDE SUPPORT TO THE STATE CHIEF INFORMATION
6	SECURITY OFFICER AND THE UNIT DURING CYBERSECURITY INCIDENTS THAT
7	AFFECT STATE AND LOCAL GOVERNMENTS;
8	(IV) SUPPORT RISK-BASED PLANNING FOR THE USE OF
9	FEDERAL RESOURCES; AND
v	
10	(V) CONDUCT ANALYSIS OF CYBERSECURITY INCIDENTS.
11	(E) (1) THERE IS A LOCAL CYBERSECURITY SUPPORT FUND.
12	(2) THE PURPOSE OF THE FUND IS TO:
13	(I) PROVIDE FINANCIAL ASSISTANCE TO LOCAL GOVERNMENTS
14	TO IMPROVE CYBERSECURITY PREPAREDNESS, INCLUDING:
11	TO IMI NOVE CIBERGEOUTTI I REFINEDINESS, INCLOSING.
15	1. UPDATING CURRENT DEVICES AND NETWORKS WITH
16	THE MOST UP-TO-DATE CYBERSECURITY PROTECTIONS;
17	2. SUPPORTING THE PURCHASE OF NEW HARDWARE,
18	SOFTWARE, DEVICES, AND FIREWALLS TO IMPROVE CYBERSECURITY
19	PREPAREDNESS;
20	3. RECRUITING AND HIRING INFORMATION
21	TECHNOLOGY STAFF FOCUSED ON CYBERSECURITY; AND
21	TECHNOLOGI SIMP POCUSED ON CIDENSECULIII, AND
22	4. PAYING OUTSIDE VENDORS FOR CYBERSECURITY
23	STAFF TRAINING; AND
24	(II) ASSIST LOCAL GOVERNMENTS APPLYING FOR FEDERAL
25	CYBERSECURITY PREPAREDNESS GRANTS.
0.0	(a) There do no no construction of the constru
26	(3) THE SECRETARY SHALL ADMINISTER THE FUND.
27	(4) (1) THE FUND IS A SPECIAL, NONLAPSING FUND THAT IS NOT
28	SUBJECT TO § 7–302 OF THE STATE FINANCE AND PROCUREMENT ARTICLE.
_0	
29	(H) THE STATE TREASURER SHALL HOLD THE FUND
30	SEPARATELY, AND THE COMPTROLLER SHALL ACCOUNT FOR THE FUND.

1	(5) -	THE :	FUND CONSISTS OF:
2 3	Fund;	(1)	MONEY APPROPRIATED IN THE STATE BUDGET TO THE
4	•	(H)	INTEREST EARNINGS; AND
5 6	FOR THE BENEFIT	` '	ANY OTHER MONEY FROM ANY OTHER SOURCE ACCEPTED HE FUND.
7	(6) 7	CHE:	FUND MAY BE USED ONLY:
8	`	(I) -IMP	TO PROVIDE FINANCIAL ASSISTANCE TO LOCAL ROVE CYBERSECURITY PREPAREDNESS, INCLUDING:
10	THE MOST UP TO	DATI	1. UPDATING CURRENT DEVICES AND NETWORKS WITH CYBERSECURITY PROTECTIONS;
12 13 14	SOFTWARE, DEV	ICES	2. SUPPORTING THE PURCHASE OF NEW HARDWARE, , AND FIREWALLS TO IMPROVE CYBERSECURITY
15 16	TECHNOLOGY STAI	FF F(3. RECRUITING AND HIRING INFORMATION OCUSED ON CYBERSECURITY; AND
17 18	STAFF TRAINING;		4. PAYING OUTSIDE VENDORS FOR CYBERSECURITY
19 20	`	(H) REP	TO ASSIST LOCAL GOVERNMENTS APPLYING FOR FEDERAL AREDNESS GRANTS; AND
$\frac{21}{22}$		` '	FOR ADMINISTRATIVE EXPENSES ASSOCIATED WITH ANCE DESCRIBED UNDER ITEM (I) OF THIS PARAGRAPH.
23 24	` '	` '	THE STATE TREASURER SHALL INVEST THE MONEY OF THE NNER AS OTHER STATE MONEY MAY BE INVESTED.
25 26	CREDITED TO THE	` '	Any interest earnings of the Fund shall be d.
27	(8)		NDITURES FROM THE FUND MAY BE MADE ONLY IN

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(4)

DEPARTMENT.

- TO BE ELIGIBLE TO RECEIVE ASSISTANCE FROM THE FUND, EACH 1 2 LOCAL GOVERNMENT THAT USES THE NETWORK ESTABLISHED IN ACCORDANCE WITH § 3.5-404 OF THE STATE FINANCE AND PROCUREMENT ARTICLE SHALL MEET 3 THE REQUIREMENTS OF §§ 3.5-404(D) AND 3.5-405 OF THE STATE FINANCE AND 4 PROCUREMENT ARTICLE. 5 6 Article - State Finance and Procurement 3.5-101.7 8 In this title the following words have the meanings indicated. (a) "Unit of State government" means an agency or unit of the Executive Branch 9 10 of State government. SUBTITLE 2A. OFFICE OF SECURITY MANAGEMENT. 11 12 3.5-2A-01. IN THIS SUBTITLE, "OFFICE" MEANS THE OFFICE OF SECURITY 13 14 MANAGEMENT. 3.5-2A-02. 15 THERE IS AN OFFICE OF SECURITY MANAGEMENT WITHIN THE DEPARTMENT. 16 3.5-2A-03. 17 THE HEAD OF THE OFFICE IS THE STATE CHIEF INFORMATION 18 SECURITY OFFICER. 19 20 (B) THE STATE CHIEF INFORMATION SECURITY OFFICER SHALL: BE APPOINTED BY THE GOVERNOR WITH THE ADVICE AND 21**(1)** 22CONSENT OF THE SENATE; 23 **(2)** SERVE AT THE PLEASURE OF THE GOVERNOR; **(3)** 24BE SUPERVISED BY THE SECRETARY; AND
- 27 (C) AN INDIVIDUAL APPOINTED AS THE STATE CHIEF INFORMATION
 28 SECURITY OFFICER UNDER SUBSECTION (B) OF THIS SECTION SHALL:

SERVE AS THE CHIEF INFORMATION SECURITY OFFICER OF THE

1	(1) AT A MINIMUM, HOLD A BACHELOR'S DEGREE;
9	(9) HOLD ADDRODDIATE INFORMATION TECHNOLOGY OF
2 3	(2) HOLD APPROPRIATE INFORMATION TECHNOLOGY OR CYBERSECURITY CERTIFICATIONS;
J	CIDERSECULITI CERTIFICATIONS,
4	(3) HAVE EXPERIENCE:
5	(I) <u>IDENTIFYING, IMPLEMENTING, AND ASSESSING SECURITY</u>
6	CONTROLS;
_	
7	(II) IN INFRASTRUCTURE, SYSTEMS ENGINEERING, AND
8	CYBERSECURITY;
9	(III) MANAGING HIGHLY TECHNICAL SECURITY, SECURITY
0	OPERATIONS CENTERS, AND INCIDENT RESPONSE TEAMS IN A COMPLEX CLOUD
1	ENVIRONMENT AND SUPPORTING MULTIPLE SITES; AND
2	(IV) WORKING WITH COMMON INFORMATION SECURITY
13	MANAGEMENT FRAMEWORKS;
4	(4) HAVE EXTENSIVE KNOWLEDGE OF INFORMATION TECHNOLOGY
15	AND CYBERSECURITY FIELD CONCEPTS, BEST PRACTICES, AND PROCEDURES, WITH
6	AN UNDERSTANDING OF EXISTING ENTERPRISE CAPABILITIES AND LIMITATIONS TO
17	ENSURE THE SECURE INTEGRATION AND OPERATION OF SECURITY NETWORKS AND
18	SYSTEMS; AND
9	(5) HAVE KNOWLEDGE OF CURRENT SECURITY REGULATIONS AND
20	LEGISLATIVE CONTENT.
10	EBGISEXIIVE CONTENT.
21	(C) (D) THE STATE CHIEF INFORMATION SECURITY OFFICER SHALL
22	PROVIDE CYBERSECURITY ADVICE AND RECOMMENDATIONS TO THE GOVERNOR ON
23	REQUEST.
24	(D) (E) (1) (I) THERE IS A DIRECTOR OF LOCAL CYBERSECURITY,
25	WHO SHALL BE APPOINTED BY THE STATE CHIEF INFORMATION SECURITY
26	OFFICER.
7	(II) THE DIDECTOR OF LOCAL CYPERCECURITY CHALL WORK
27	(II) THE DIRECTOR OF LOCAL CYBERSECURITY SHALL WORK
28 29	IN COORDINATION WITH THE MARYLAND DEPARTMENT OF EMERGENCY MANAGEMENT TO PROVIDE TECHNICAL ASSISTANCE, COORDINATE RESOURCES,
U	MANAGEMENT TO TROVIDE TECHNICAL ASSISTANCE, COORDINATE RESOURCES,

AND IMPROVE CYBERSECURITY PREPAREDNESS FOR UNITS OF LOCAL

30 31

GOVERNMENT.

- 1 (2) (I) THERE IS A DIRECTOR OF STATE CYBERSECURITY, WHO 2 SHALL BE APPOINTED BY THE STATE CHIEF INFORMATION SECURITY OFFICER.
- 3 (II) THE DIRECTOR OF STATE CYBERSECURITY IS
- 4 RESPONSIBLE FOR IMPLEMENTATION OF THIS SECTION WITH RESPECT TO UNITS OF
- 5 STATE GOVERNMENT.
- 6 (E) (F) THE DEPARTMENT SHALL PROVIDE THE OFFICE WITH 7 SUFFICIENT STAFF TO PERFORM THE FUNCTIONS OF THIS SUBTITLE.
- 8 (F) (G) THE OFFICE MAY PROCURE RESOURCES, INCLUDING REGIONAL
- 9 COORDINATORS, NECESSARY TO FULFILL THE REQUIREMENTS OF THIS SUBTITLE.
- 10 **3.5–2A–04.**
- 11 (A) (1) THE OFFICE IS RESPONSIBLE FOR:
- 12 (1) THE DIRECTION, COORDINATION, AND IMPLEMENTATION
- 13 OF THE OVERALL CYBERSECURITY STRATEGY AND POLICY FOR UNITS OF STATE
- 14 GOVERNMENT; AND
- 15 (2) (II) THE COORDINATION OF RESOURCES AND EFFORTS TO
- 16 IMPLEMENT CYBERSECURITY BEST PRACTICES AND IMPROVE OVERALI
- 17 CYBERSECURITY PREPAREDNESS AND RESPONSE FOR UNITS OF LOCAL
- 18 GOVERNMENT, LOCAL SCHOOL BOARDS, LOCAL SCHOOL SYSTEMS, AND LOCAL
- 19 HEALTH DEPARTMENTS; AND
- 20 (III) SUPPORTING THE MARYLAND DEPARTMENT OF
- 21 EMERGENCY MANAGEMENT CYBER PREPAREDNESS UNIT DURING EMERGENCY
- 22 RESPONSE EFFORTS.
- 23 (2) THE OFFICE IS NOT RESPONSIBLE FOR THE INFORMATION
- 24 TECHNOLOGY INSTALLATION AND MAINTENANCE OPERATIONS NORMALLY
- 25 CONDUCTED BY A UNIT OF STATE GOVERNMENT, A UNIT OF LOCAL GOVERNMENT, A
- 26 LOCAL SCHOOL BOARD, A LOCAL SCHOOL SYSTEM, OR A LOCAL HEALTH
- 27 DEPARTMENT.
- 28 **(B)** THE OFFICE SHALL:
- 29 (1) ESTABLISH STANDARDS TO CATEGORIZE ALL INFORMATION
- 30 COLLECTED OR MAINTAINED BY OR ON BEHALF OF EACH UNIT OF STATE
- 31 **GOVERNMENT**;

- 1 (2) ESTABLISH STANDARDS TO CATEGORIZE ALL INFORMATION 2 SYSTEMS MAINTAINED BY OR ON BEHALF OF EACH UNIT OF STATE GOVERNMENT;
- 3 (3) DEVELOP GUIDELINES GOVERNING THE TYPES OF INFORMATION 4 AND INFORMATION SYSTEMS TO BE INCLUDED IN EACH CATEGORY;
- 5 (4) ESTABLISH SECURITY REQUIREMENTS FOR INFORMATION AND 6 INFORMATION SYSTEMS IN EACH CATEGORY;
- 7 (5) ASSESS THE CATEGORIZATION OF INFORMATION AND 8 INFORMATION SYSTEMS AND THE ASSOCIATED IMPLEMENTATION OF THE SECURITY 9 REQUIREMENTS ESTABLISHED UNDER ITEM (4) OF THIS SUBSECTION;
- 10 (6) IF THE STATE CHIEF INFORMATION SECURITY OFFICER
 11 DETERMINES THAT THERE ARE SECURITY VULNERABILITIES OR DEFICIENCIES IN
 12 THE IMPLEMENTATION OF THE SECURITY REQUIREMENTS ESTABLISHED UNDER
 13 ITEM (4) OF THIS SUBSECTION, DETERMINE WHETHER AN INFORMATION SYSTEM
 14 SHOULD BE ALLOWED TO CONTINUE TO OPERATE OR BE CONNECTED TO THE
- 15 NETWORK ESTABLISHED IN ACCORDANCE WITH § 3.5–404 OF THIS TITLE;
- 16 (7) MANAGE SECURITY AWARENESS TRAINING FOR ALL 17 APPROPRIATE EMPLOYEES OF UNITS OF STATE GOVERNMENT;
- 18 **(8)** ASSIST IN THE DEVELOPMENT OF DATA MANAGEMENT, DATA 19 GOVERNANCE, AND DATA SPECIFICATION STANDARDS TO PROMOTE 20 STANDARDIZATION AND REDUCE RISK;
- 21 (9) ASSIST IN THE DEVELOPMENT OF A DIGITAL IDENTITY STANDARD 22 AND SPECIFICATION APPLICABLE TO ALL PARTIES COMMUNICATING, INTERACTING, 23 OR CONDUCTING BUSINESS WITH OR ON BEHALF OF A UNIT OF STATE GOVERNMENT;
- (10) DEVELOP AND MAINTAIN INFORMATION TECHNOLOGY SECURITY POLICY, STANDARDS, AND GUIDANCE DOCUMENTS, CONSISTENT WITH BEST PRACTICES DEVELOPED BY THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY;
- 28 (11) TO THE EXTENT PRACTICABLE, SEEK, IDENTIFY, AND INFORM 29 RELEVANT STAKEHOLDERS OF ANY AVAILABLE FINANCIAL ASSISTANCE PROVIDED 30 BY THE FEDERAL GOVERNMENT OR NON–STATE ENTITIES TO SUPPORT THE WORK 31 OF THE OFFICE;
- 32 (12) REVIEW AND CERTIFY SUPPORT LOCAL GOVERNMENTS
 33 DEVELOPING LOCAL CYBERSECURITY PREPAREDNESS AND RESPONSE PLANS;

- 1 (13) PROVIDE TECHNICAL ASSISTANCE TO LOCALITIES IN MITIGATING 2 AND RECOVERING FROM CYBERSECURITY INCIDENTS; AND
- 3 (14) PROVIDE TECHNICAL SERVICES, ADVICE, AND GUIDANCE TO
- 4 UNITS OF LOCAL GOVERNMENT TO IMPROVE CYBERSECURITY PREPAREDNESS,
- 5 PREVENTION, RESPONSE, AND RECOVERY PRACTICES.
- 6 (C) THE OFFICE, IN COORDINATION WITH THE MARYLAND DEPARTMENT 7 OF EMERGENCY MANAGEMENT, SHALL:
- 8 (1) ASSIST LOCAL POLITICAL SUBDIVISIONS, INCLUDING COUNTIES, 9 SCHOOL SYSTEMS, SCHOOL BOARDS, AND LOCAL HEALTH DEPARTMENTS, IN:
- 10 <u>(I) THE DEVELOPMENT OF CYBERSECURITY PREPAREDNESS</u> 11 AND RESPONSE PLANS; AND
- 12 <u>(II) IMPLEMENTING BEST PRACTICES AND GUIDANCE</u> 13 DEVELOPED BY THE DEPARTMENT;
- 14 (2) CONNECT LOCAL ENTITIES TO APPROPRIATE RESOURCES FOR
- 15 ANY OTHER PURPOSE RELATED TO CYBERSECURITY PREPAREDNESS AND
- 16 RESPONSE; AND
- 17 (3) DEVELOP APPROPRIATE REPORTS ON LOCAL CYBERSECURITY 18 PREPAREDNESS.
- 19 (D) THE OFFICE, IN COORDINATION WITH THE MARYLAND DEPARTMENT 20 OF EMERGENCY MANAGEMENT, MAY:
- 21 (1) CONDUCT REGIONAL EXERCISES, AS NECESSARY, IN
- 22 COORDINATION WITH THE NATIONAL GUARD, LOCAL EMERGENCY MANAGERS, AND
- 23 OTHER STATE AND LOCAL ENTITIES; AND
- 24 (2) ESTABLISH REGIONAL ASSISTANCE GROUPS TO DELIVER OR
- 25 COORDINATE SUPPORT SERVICES TO LOCAL POLITICAL SUBDIVISIONS, AGENCIES,
- 26 OR REGIONS.
- 27 (C) (E) ON OR BEFORE DECEMBER 31 EACH YEAR, THE OFFICE SHALL
- 28 REPORT TO THE GOVERNOR AND, IN ACCORDANCE WITH § 2–1257 OF THE STATE
- 29 GOVERNMENT ARTICLE, THE SENATE BUDGET AND TAXATION COMMITTEE, THE
- 30 SENATE EDUCATION, HEALTH, AND ENVIRONMENTAL AFFAIRS COMMITTEE, THE
- 31 HOUSE APPROPRIATIONS COMMITTEE, THE HOUSE HEALTH AND GOVERNMENT
- 32 OPERATIONS COMMITTEE, AND THE JOINT COMMITTEE ON CYBERSECURITY,
- 33 Information Technology, and Biotechnology on the activities of the

- 1 OFFICE AND THE STATE OF CYBERSECURITY PREPAREDNESS IN MARYLAND,
- 2 INCLUDING:
- 3 (1) THE ACTIVITIES AND ACCOMPLISHMENTS OF THE OFFICE DURING
- 4 THE PREVIOUS 12 MONTHS AT THE STATE AND LOCAL LEVELS; AND
- 5 (2) A COMPILATION AND ANALYSIS OF THE DATA FROM THE
- 6 INFORMATION CONTAINED IN THE REPORTS RECEIVED BY THE OFFICE UNDER §
- 7 3.5–405 OF THIS TITLE, INCLUDING:
- 8 (I) A SUMMARY OF THE ISSUES IDENTIFIED BY THE
- 9 CYBERSECURITY PREPAREDNESS ASSESSMENTS CONDUCTED THAT YEAR;
- 10 (II) THE STATUS OF VULNERABILITY ASSESSMENTS OF ALL
- 11 UNITS OF STATE GOVERNMENT AND A TIMELINE FOR COMPLETION AND COST TO
- 12 REMEDIATE ANY VULNERABILITIES EXPOSED;
- 13 (III) RECENT AUDIT FINDINGS OF ALL UNITS OF STATE
- 14 GOVERNMENT AND OPTIONS TO IMPROVE FINDINGS IN FUTURE AUDITS, INCLUDING
- 15 RECOMMENDATIONS FOR STAFF, BUDGET, AND TIMING;
- 16 (IV) ANALYSIS OF THE STATE'S EXPENDITURE ON
- 17 CYBERSECURITY RELATIVE TO OVERALL INFORMATION TECHNOLOGY SPENDING
- 18 FOR THE PRIOR 3 YEARS AND RECOMMENDATIONS FOR CHANGES TO THE BUDGET,
- 19 INCLUDING AMOUNT, PURPOSE, AND TIMING TO IMPROVE STATE AND LOCAL
- 20 CYBERSECURITY PREPAREDNESS;
- 21 (V) EFFORTS TO SECURE FINANCIAL SUPPORT FOR CYBER RISK
- 22 MITIGATION FROM FEDERAL OR OTHER NON-STATE RESOURCES;
- 23 (VI) KEY PERFORMANCE INDICATORS ON THE CYBERSECURITY
- 24 STRATEGIES IN THE DEPARTMENT'S INFORMATION TECHNOLOGY MASTER PLAN,
- 25 INCLUDING TIME, BUDGET, AND STAFF REQUIRED FOR IMPLEMENTATION; AND
- 26 (VII) ANY ADDITIONAL RECOMMENDATIONS FOR IMPROVING
- 27 STATE AND LOCAL CYBERSECURITY PREPAREDNESS.
- 28 3.5–301.
- 29 (a) In this subtitle the following words have the meanings indicated.
- 30 (j) "Nonvisual access" means the ability, through keyboard control, synthesized
- 31 speech, Braille, or other methods not requiring sight to receive, use, and manipulate
- 32 information and operate controls necessary to access information technology in accordance
- with standards adopted under [§ 3A–303(b)] § 3.5–303(B) of this subtitle.

- 1 3.5–302.
- 2 (c) Notwithstanding any other provision of law, except as provided in subsection
- 3 (a) of this section and [$\S\S$ 3A-307(a)(2), 3A-308, and 3A-309] $\S\S$ 3.5-307(A)(2), 3.5-308,
- 4 AND 3.5-309 of this subtitle, this subtitle applies to all units of the Executive Branch of
- 5 State government including public institutions of higher education other than Morgan
- 6 State University, the University System of Maryland, St. Mary's College of Maryland, and
- 7 Baltimore City Community College.
- 8 3.5–303.
- 9 (c) On or before January 1, 2020, the Secretary, or the Secretary's designee, shall:
- 10 (2) establish a process for the Secretary or the Secretary's designee to:
- 11 (ii) 2. for information technology procured by a State unit on or
- 12 after January 1, 2020, enforce the nonvisual access clause developed under [§ 3A–311] §
- 13 **3.5–311** of this subtitle, including the enforcement of the civil penalty described in [§
- 14 3A-311(a)(2)(iii)1] § 3.5-311(A)(2)(III)1 of this subtitle.
- 15 3.5–307.
- 16 (a) (2) A unit of State government other than a public institution of higher
- 17 education may not make expenditures for major information technology development
- projects except as provided in [§ 3A–308] § 3.5–308 of this subtitle.
- 19 3.5–309.
- 20 (c) The Secretary:
- 21 (2) subject to the provisions of § 2–201 of this article and [§ 3A–307] §
- 22 **3.5–307** of this subtitle, may receive and accept contributions, grants, or gifts of money or
- 23 property.
- 24 (i) The Fund may be used:
- 25 (3) notwithstanding [§ 3A–301(b)(2)] § 3.5–301(B)(2) of this subtitle, for
- 26 the costs of the first 12 months of operation and maintenance of a major information
- 27 technology development project.
- 28 (l) Notwithstanding subsection (b) of this section and in accordance with
- 29 paragraph (2) of this subsection, money paid into the Fund under subsection (e)(2) of this
- 30 section shall be used to support:

- 1 the State telecommunication and computer network established 2 under [§ 3A-404] § 3.5-404 of this title, including program development for these 3 activities: and 4 3.5 - 311.5 (a) (2) On or after January 1, 2020, the nonvisual access clause developed in 6 accordance with paragraph (1) of this subsection shall include a statement that: 7 within 18 months after the award of the procurement, the 8 Secretary, or the Secretary's designee, will determine whether the information technology meets the nonvisual access standards adopted in accordance with [§ 3A-303(b)] § 9 **3.5–303(B)** of this subtitle: 10 11 3.5-404. 12 The General Assembly declares that: (a) 13 it is the policy of the State to foster telecommunication and computer networking among State and local governments, their agencies, and educational 14 15 institutions in the State: 16 there is a need to improve access, especially in rural areas, to efficient telecommunication and computer network connections; 17 18 improvement of telecommunication and computer networking for State 19 and local governments and educational institutions promotes economic development, 20 educational resource use and development, and efficiency in State and local administration; 21rates for the intrastate inter-LATA telephone communications needed 22for effective integration of telecommunication and computer resources are prohibitive for 23many smaller governments, agencies, and institutions; and 24 the use of improved State telecommunication and computer networking 25under this section is intended not to compete with commercial access to advanced network 26 technology, but rather to foster fundamental efficiencies in government and education for 27 the public good. 28 (b) The Department shall establish a telecommunication and computer (1)29 network in the State. 30 (2)The network shall consist of:
- 31 (i) one or more connection facilities for telecommunication and 32 computer connection in each local access transport area (LATA) in the State; and

- 1 (ii) facilities, auxiliary equipment, and services required to support 2 the network in a reliable and secure manner.
- 3 (c) The network shall be accessible through direct connection and through local 4 intra-LATA telecommunications to State and local governments and public and private 5 educational institutions in the State.
- 6 (D) ON OR BEFORE DECEMBER 1 EACH YEAR, EACH UNIT OF THE
 7 LEGISLATIVE OR JUDICIAL BRANCH OF STATE GOVERNMENT, EACH UNIT OF LOCAL
 8 GOVERNMENT, AND ANY LOCAL AGENCIES THAT USE THE NETWORK ESTABLISHED
 9 UNDER SUBSECTION (B) OF THIS SECTION SHALL CERTIFY TO THE DEPARTMENT
 10 THAT THE UNIT IS IN COMPLIANCE WITH THE DEPARTMENT'S MINIMUM SECURITY
 11 STANDARDS.
- 12 **3.5–405.**
- 13 (A) THIS SECTION DOES NOT APPLY TO MUNICIPAL GOVERNMENTS.
- 14 (B) ON OR BEFORE DECEMBER 1 EACH YEAR, EACH COUNTY GOVERNMENT, 15 LOCAL SCHOOL SYSTEM, AND LOCAL HEALTH DEPARTMENT SHALL:
- 16 (1) IN CONSULTATION WITH THE LOCAL EMERGENCY MANAGER,
 17 CREATE OR UPDATE A CYBERSECURITY PREPAREDNESS AND RESPONSE PLAN AND
 18 SUBMIT THE PLAN TO THE OFFICE OF SECURITY MANAGEMENT FOR APPROVAL;
- 19 (2) COMPLETE A CYBERSECURITY PREPAREDNESS ASSESSMENT AND 20 REPORT THE RESULTS TO THE OFFICE IN ACCORDANCE WITH GUIDELINES 21 DEVELOPED BY THE OFFICE; AND
- 22 (3) REPORT TO THE OFFICE:
- 23 (I) THE NUMBER OF INFORMATION TECHNOLOGY STAFF 24 POSITIONS, INCLUDING VACANCIES;
- 25 (II) THE ENTITY'S CYBERSECURITY BUDGET AND OVERALL 26 INFORMATION TECHNOLOGY BUDGET;
- 27 (III) THE NUMBER OF EMPLOYEES WHO HAVE RECEIVED 28 CYBERSECURITY TRAINING; AND
- 29 (IV) THE TOTAL NUMBER OF EMPLOYEES WITH ACCESS TO THE 30 ENTITY'S COMPUTER SYSTEMS AND DATABASES.
- 31 (C) THE ASSESSMENT REQUIRED UNDER PARAGRAPH (B)(2) OF THIS 32 SECTION MAY, IN ACCORDANCE WITH THE PREFERENCE OF EACH COUNTY

GOVERNMENT, BE PERFORMED BY THE DEPARTMENT OR A VENDOR AUTHORIZED 1 BY THE DEPARTMENT. 2 6 - 2263 Notwithstanding any other provision of law, and unless 4 (a) $\frac{(2)}{2}$ inconsistent with a federal law, grant agreement, or other federal requirement or with the 5 6 terms of a gift or settlement agreement, net interest on all State money allocated by the 7 State Treasurer under this section to special funds or accounts, and otherwise entitled to 8 receive interest earnings, as accounted for by the Comptroller, shall accrue to the General Fund of the State. 9 10 The provisions of subparagraph (i) of this paragraph do not apply (ii) 11 to the following funds: 12 144. the Health Equity Resource Community Reserve Fund; 13 [and] 14 the Access to Counsel in Evictions Special Fund; AND 15 146. THE LOCAL CYPERSECURITY SUPPORT FUND. 16 $\frac{12-107}{1}$ Subject to the authority of the Board, jurisdiction over procurement is as 17 18 follows: 19 (2)the Department of General Services may: 20 (i) engage in or control procurement of: 21 10 information processing equipment and associated 22 services, as provided in Title [3A] 3.5. Subtitle 3 of this article; and 23 telecommunication equipment, systems, or services, as provided in Title [3A] 3.5. Subtitle 4 of this article: 24 25 Article - State Government 2-1224.2627 [After] EXCEPT AS PROVIDED IN SUBSECTION (I) OF THIS SECTION, 28 AFTER the expiration of any period that the Joint Audit and Evaluation Committee

specifies, a report of the Legislative Auditor is available to the public under Title 4,

Subtitles 1 through 5 of the General Provisions Article.

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- 1 (I) A REPORT AUDITING A UNIT OF STATE OR LOCAL GOVERNMENT SHALL
 2 HAVE ANY CYBERSECURITY FINDINGS REDACTED IN A MANNER CONSISTENT WITH
 3 AUDITING BEST PRACTICES BEFORE THE REPORT IS MADE AVAILABLE TO THE
 4 PUBLIC.
- 5 SECTION 3. AND BE IT FURTHER ENACTED, That, on or before December 1, 6 2022, the State Chief Information Security Officer and the Secretary of Emergency 7 Management shall:
- 8 (1) review the State budget for efficiency and effectiveness of funding and 9 resources to ensure that the State is equipped to respond to a cybersecurity attack;
- 10 (2) make recommendations for any changes to the budget needed to 11 accomplish the goals under item (1) of this section;
- 12 (3) establish guidance for units of State government on use and access to State funding related to cybersecurity preparedness; and
- 14 (4) report any recommendations and guidance to the Governor and, in accordance with § 2–1257 of the State Government Article, the General Assembly.
- SECTION 4. AND BE IT FURTHER ENACTED, That:
- 17 (a) On or before December 1, 2023, the State Chief Information Security Officer 18 shall:
- 19 (1) commission a feasibility study on expanding the operations of the State 20 Security Operations Center operated by the Department of Information Technology to 21 include cybersecurity monitoring and alert services for units of local government; and
- 22 (2) report any recommendations to the Governor and, in accordance with § 23 2–1257 of the State Government Article, the General Assembly.
- 24 (b) For fiscal year 2024, the Governor shall include an appropriation in the annual budget to cover the cost of the feasibility study required under subsection (a) of this section.
- SECTION 5. AND BE IT FURTHER ENACTED, That this Act shall take effect July 1, 2022.