

The Commonwealth of Massachusetts

PRESENTED BY:

Stephen Kulik

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 the Commonwealth analytic center for excellence.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	DATE ADDED:
<i>Stephen Kulik</i>	<i>1st Franklin</i>	<i>1/19/2017</i>

By Mr. Kulik of Worthington, a petition (accompanied by bill, House, No. 3629) of Stephen Kulik for legislation to establish the Commonwealth analytic center for excellence. State Administration and Regulatory Oversight.

The Commonwealth of Massachusetts

**In the One Hundred and Ninetieth General Court
(2017-2018)**

An Act establishing the Commonwealth analytic center for excellence.

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 is hereby amended by adding the
2 following section:-

3 Section 9. (a) As used in this section, the following words shall have the following
4 meanings, except where the context clearly indicates otherwise:-

5 “Business intelligence”, the process of collecting, organizing, sharing, and analyzing data
6 through integrated data management, reporting, visualization, and advanced analytics to discover
7 patterns and other useful information that will allow policymakers and state officials to make
8 more informed decisions. Business intelligence shall also include: (i) broad master data
9 management capabilities such as data integration, data quality and enrichment, data governance,
10 and master data management to collect, reference, and categorize information from multiple
11 sources; and (ii) self service query and reporting capabilities to provide timely, relevant, and

12 actionable information to business users delivered through a variety of interfaces, devices, or
13 applications based on their specific roles and responsibilities.

14 “Center”, the commonwealth analytic center for excellence.

15 “Data analytics”, data analysis, including the ability to use the data for assessment and
16 extraction of policy relevant information.

17 “Enterprise level data analytics”, standard analytics capabilities and services leveraging
18 data throughout the commonwealth’s agencies, departments, and institutions.

19 (b) There shall be a center within the office known as the commonwealth analytic center
20 for excellence. The center shall utilize public private partnerships as part of a statewide data
21 integration and data sharing initiative and identify data integration and business intelligence
22 opportunities that will generate greater efficiencies in, and improved service delivery by, state
23 agencies, departments, and institutions. The center shall not replace transactional systems but
24 shall leverage the data from those systems for enterprise level business intelligence. The center
25 shall continue the work, purpose, and resources of previous data integration efforts and shall
26 otherwise advise and assist the CIO in the management of the center. The office shall make any
27 organizational changes necessary to maximize the effectiveness and efficiency of the center.

28 The office shall continue to utilize public private partnerships and existing data
29 integration and analytics contracts and licenses as appropriate to continue the implementation of
30 the center. Private entities that partner with the commonwealth may make appropriate
31 contributions of funds or resources, including, but not limited to, knowledge transfer and
32 education activities, software licensing, hardware and technical infrastructure resources,
33 personnel resources, and such other appropriate resources as agreed upon by the parties.

(c) The center shall coordinate ongoing enterprise data integration efforts, including, but
not limited to: (i) identifying technologies currently used in the commonwealth that have the
capability to support the initiative; (ii) identify technologies with unique capabilities that are
complementary to existing technology standards, and that have the potential to support the
commonwealth's business intelligence effort; (iii) comparing capabilities and costs across state
agencies; (iv) ensuring implementation is properly supported across state agencies; (v) ensuring
data integration and sharing is performed in a manner that preserves data privacy and security in
transferring, storing, and accessing data, as appropriate; (vi) immediately seeking waivers and
entering into written agreements that may be required by state or federal law to effectuate data
sharing and to carry out the purposes of this section; (vii) coordinating data requirements and
usage for the commonwealth's business intelligence applications in a manner that: (1) limits
impacts on participating state agencies as those agencies provide data and business knowledge
expertise and (2) assists in defining business rules so data may be properly used; (viii)
recommending the most cost effective and reliable long term hosting solution for the
commonwealth's enterprise level business intelligence and data integration, notwithstanding any
other general or special law to the contrary; (ix) utilizing a common approach to establish
standards for business intelligence initiatives for state agencies and prevent the development of
projects that do not meet the established standards; (x) creating efficiencies in the
commonwealth by ensuring that state agencies utilize the center for agency business intelligence
requirements.

54 (d) The center shall provide state agencies and the University of Massachusetts with all
55 business intelligence requirements and implementation, including any planning or development

56 efforts associated with creating business intelligence capability, and any master data
57 management efforts.

58 (e) The office, in consultation with the executive office of administrative and finance,
59 shall identify potential funding sources for expansion of existing projects or development of new
60 projects.

61 (f) All state agencies and the University of Massachusetts shall: (i) grant the center
62 access to all information required to develop and support the commonwealth's business
63 intelligence applications pursuant to this section. The office and the center shall take all
64 necessary actions and precautions, including training, certifications, background checks, and
65 governance policy and procedure, to ensure the security, integrity, and privacy of the data in
66 accordance with state and federal law and as may be required by contract; (ii) provide complete
67 information regarding the state agency's information technology, operational, and security
68 requirements; (iii) provide information on all of the state agency's information technology
69 activities relevant to the commonwealth's business intelligence effort; (iv) forecast the state
70 agency's projected future business intelligence information technology needs and capabilities; (v)
71 ensure that the state agency's future information technology initiatives coordinate efforts with the
72 center to include planning and development of data interfaces to incorporate data into the
73 initiative and to ensure the ability to leverage analytics capabilities; (vi) provide technical and
74 business resources to participate in the initiative by providing, upon request and in a timely and
75 responsive manner, complete and accurate data, business rules and policies, and support; (vii)
76 identify potential resources for deploying business intelligence in their respective state agencies
77 and as part of the enterprise level effort; and (viii) immediately seek any waivers and enter into

78 any written agreements that may be required by state or federal law to effectuate data sharing and
79 to carry out the purposes of this section, as appropriate.

80 (g) All information shared with center and the office pursuant this subsection shall be
81 protected release and disclosure in the same manner other information is protected pursuant to
82 this section.

83 (h) For the purposes of this section, the center and the office shall be deemed: (i) with
84 respect to criminal information, and to the extent allowed by federal law, a criminal justice
85 agency, as defined in the Federal Criminal Justice Information Services (CJIS) Security Policy.

86 The department of criminal justice information services shall ensure that the center receives
87 access to federal criminal information deemed to be essential in managing the center to support
88 criminal justice professionals; and (ii) with respect to health information covered by the Federal
89 Health Insurance Portability and Accountability Act of 1996, as amended, and to the extent
90 allowed by federal law: (1) a business associate with access to protected health information
91 acting on behalf of the commonwealth's covered entities in support of data integration, analysis,
92 and business intelligence; (2) authorized to access and view individually identifiable health
93 information, provided that the access is essential to the enterprise fraud, waste, and improper
94 payment detection program or required for future initiatives having specific definable need for
95 the information; (3) authorized to access all state and federal data, including revenue and labor
96 information, deemed to be essential to the enterprise fraud, waste, and improper payment
97 detection program or future initiatives having specific definable need for the data; (4) authorized
98 to develop agreements with the federal government to access data deemed to be essential to the
99 enterprise fraud, waste, and improper payment detection program or future initiatives having
100 specific definable need for such data.

101 (i) The center shall assist the fraud detection program in the department of transitional
102 assistance, established by section 36 of chapter 18, to identify fraud of funds, assets or property
103 provided by the department of transitional assistance.

104 (k) The office shall identify and make all efforts to secure any matching funds or other
105 resources to assist in funding the center. Savings resulting from the cancellation of projects,
106 software, and licensing, as well as any other savings from the utilization of the center, shall be
107 returned to the General Fund and shall remain unexpended and unencumbered until appropriated
108 by the general court in a subsequent fiscal year.

109 (k) The office shall: (i) submit and present quarterly reports on the activities described in
110 this section to the chairs of the , the house committee on technology and intergovernmental
111 affairs and the joint committee on state administration and regulatory oversight; (ii) report the
112 failure of a state agency to provide information requested pursuant to this section to the house
113 committee on technology and intergovernmental affairs and the joint committee on state
114 administration and regulatory oversight upon its occurrence or as requested; and (iii) report the
115 failure of a project to achieve projected savings and a proposed corrective action plan for the
116 project to the house and senate committees on ways, the house committee on technology and
117 intergovernmental affairs and the joint committee on state administration and regulatory
118 oversight upon its occurrence or as requested.