

SENATE COMMITTEE OF REFERENCE REPORT

Chair of Committee

Date

April 3, 2019

Committee on Business, Labor, & Technology.

After consideration on the merits, the Committee recommends the following:

SB19-169 be amended as follows, and as so amended, be referred to the Committee on Appropriations with favorable recommendation:

1 Amend printed bill, page 4, after line 11 insert:

2 "SECTION 2. In Colorado Revised Statutes, add 24-37.5-116 as
3 follows:

4 **24-37.5-116. Major information technology projects - project**
5 **management and metrics.** (1) (a) THE OFFICE SHALL ENSURE THAT
6 EVERY MAJOR INFORMATION TECHNOLOGY PROJECT HAS A PROJECT
7 MANAGER IN THE OFFICE. THE OFFICE AND THE STATE AGENCY THAT IS A
8 PARTY TO THE CONTRACT FOR THE MAJOR INFORMATION TECHNOLOGY
9 PROJECT SHALL ENSURE THAT THE PROJECT MANAGER FROM THE OFFICE
10 IS REGULARLY INVOLVED IN THE MANAGEMENT OF THE PROJECT. THE
11 PROJECT MANAGER FOR EACH MAJOR INFORMATION TECHNOLOGY PROJECT
12 IS REQUIRED TO DEVELOP, IN COORDINATION WITH THE STATE AGENCY
13 THAT IS A PARTY TO THE CONTRACT FOR A MAJOR INFORMATION
14 TECHNOLOGY PROJECT, APPLICABLE PROJECT BASELINE METRICS FOR THE
15 PROJECT AS SPECIFIED IN SUBSECTION (1)(b) OF THIS SECTION TO BE USED
16 TO TRACK THE PROGRESS OF THE PROJECT. THE PROJECT MANAGER FOR
17 EACH MAJOR INFORMATION TECHNOLOGY PROJECT SHALL OBTAIN
18 APPROVAL FOR THE PROJECT BASELINE METRICS FROM THE STATE AGENCY
19 THAT IS A PARTY TO THE CONTRACT FOR THE MAJOR INFORMATION
20 TECHNOLOGY PROJECT. THE OFFICE SHALL ENSURE THAT THE
21 CONTRACTOR DOES NOT BEGIN WORK ON A MAJOR INFORMATION
22 TECHNOLOGY PROJECT UNTIL THE PROJECT MANAGER HAS DEVELOPED THE
23 BASELINE METRICS FOR THE PROJECT AND THE BASELINE METRICS HAVE

1 BEEN APPROVED BY THE STATE AGENCY THAT IS A PARTY TO THE
2 CONTRACT FOR THE PROJECT.

3 (b) THE PROJECT MANAGER FOR A MAJOR INFORMATION
4 TECHNOLOGY PROJECT IS REQUIRED TO DEVELOP BASELINE METRICS FOR
5 THE PROJECT THAT INCLUDE, BUT NEED NOT BE LIMITED TO:

6 (I) THE PROJECT SCOPE, INCLUDING A STATEMENT OF THE
7 PRODUCTS, SERVICES, AND RESULTS THAT A PROJECT IS REQUIRED TO
8 DELIVER;

9 (II) THE PROJECT SCHEDULE, INCLUDING THE PLANNED DATES FOR
10 SIGNIFICANT MILESTONES FOR A PROJECT;

11 (III) THE PROJECT BUDGET, INCLUDING THE AUTHORIZED
12 ESTIMATED BUDGET FOR ALL PHASES OF THE PROJECT; AND

13 (IV) THE EXPECTED AND ACCEPTABLE QUALITY OF THE PROJECT.

14 (2) (a) THE OFFICE SHALL DEVELOP, IN COOPERATION WITH THE
15 STATE AGENCY THAT IS A PARTY TO THE CONTRACT FOR A MAJOR
16 INFORMATION TECHNOLOGY PROJECT, PERFORMANCE INDICATORS FOR THE
17 PROJECT TO BE USED TO MONITOR THE PROJECT. THE PERFORMANCE
18 INDICATORS SHALL INCLUDE QUANTITATIVE METRICS TO ASSESS
19 VARIATIONS IN THE BASELINE METRICS FOR A PROJECT, SUCH AS A
20 SCHEDULE AND COST PERFORMANCE MEASUREMENTS. THE OFFICE, IN
21 COORDINATION WITH THE STATE AGENCY THAT IS A PARTY TO THE
22 CONTRACT FOR A MAJOR INFORMATION TECHNOLOGY PROJECT, SHALL
23 ALSO ESTABLISH QUANTITATIVE CRITICAL SUCCESS FACTORS TO TRACK
24 THE SUCCESS OF EACH MAJOR INFORMATION TECHNOLOGY PROJECT.

25 (b) IF THE OFFICE CHOOSES TO USE COLOR LEVELS AS
26 PERFORMANCE INDICATORS, THE OFFICE SHALL INCLUDE A DEFINITION OF
27 EACH COLOR LEVEL AND SHALL SPECIFY THE PERFORMANCE INDICATOR
28 VALUE USED TO ASSIGN THE COLOR LEVEL.

29 (c) THE OFFICE SHALL CREATE AND MAINTAIN ON ITS WEBSITE A
30 USER-FRIENDLY, PUBLIC-FACING DATA VISUALIZATION TOOL THAT
31 PROVIDES AN ANALYSIS AND VISUAL REPRESENTATION OF THE
32 PERFORMANCE INDICATORS THAT IT DEVELOPS PURSUANT TO THIS
33 SECTION.

34 (3) (a) AFTER THE PROJECT MANAGER HAS OBTAINED APPROVAL
35 FOR THE PROJECT BASELINE METRICS FROM THE APPLICABLE STATE
36 AGENCY PURSUANT TO SUBSECTION (1) OF THIS SECTION, THE PROJECT
37 MANAGER SHALL PROVIDE THE FOLLOWING TO THE JOINT TECHNOLOGY
38 COMMITTEE:

39 (I) THE APPROVED BASELINE METRICS THAT WILL BE USED TO
40 TRACK THE PROGRESS OF THE PROJECT;

41 (II) THE PERFORMANCE INDICATORS THAT WILL BE USED TO ASSESS

1 VARIATIONS IN THE BASELINE METRICS FOR THE PROJECT; AND
2 (III) THE QUANTITATIVE CRITICAL SUCCESS FACTORS THAT WILL
3 BE USED TO TRACK THE SUCCESS OF THE PROJECT.

4 (b) IF A PROJECT MANAGER FOR A MAJOR INFORMATION
5 TECHNOLOGY PROJECT MODIFIES THE PERFORMANCE INDICATORS FOR THE
6 PROJECT DURING THE DURATION OF THE PROJECT, THE PROJECT MANAGER
7 SHALL NOTIFY THE JOINT TECHNOLOGY COMMITTEE OF THE CHANGE AND
8 SHALL PROVIDE THE UPDATED PERFORMANCE INDICATORS TO THE
9 COMMITTEE.

10 (4) (a) AFTER THE PROJECT MANAGER HAS PROVIDED THE
11 BASELINE METRICS, PERFORMANCE INDICATORS, AND CRITICAL SUCCESS
12 FACTORS FOR A MAJOR INFORMATION TECHNOLOGY PROJECT TO THE JOINT
13 TECHNOLOGY COMMITTEE PURSUANT TO SUBSECTION (3) OF THIS SECTION,
14 THE OFFICE SHALL CREATE QUARTERLY STATUS REPORTS REGARDING THE
15 MAJOR INFORMATION TECHNOLOGY PROJECT USING THE PERFORMANCE
16 INDICATORS THAT WERE SPECIFIED FOR THE PROJECT BY THE PROJECT
17 MANAGER. THE OFFICE SHALL PROVIDE THE QUARTERLY STATUS REPORT
18 FOR EACH MAJOR INFORMATION PROJECT TO THE JOINT TECHNOLOGY
19 COMMITTEE AND SHALL INCLUDE IN THE REPORT THE BUDGET SPECIFIED
20 IN THE PROJECT BASELINE METRICS, THE COMMITTED BUDGET FOR THE
21 PROJECT TO DATE, AND THE AMOUNT THAT HAS BEEN SPENT ON THE
22 PROJECT TO DATE.

23 (b) IF THE QUARTERLY STATUS REPORT FOR A MAJOR INFORMATION
24 TECHNOLOGY PROJECT INDICATES THAT THE PROJECT IS UNLIKELY TO
25 ACHIEVE THE PERFORMANCE INDICATORS ESTABLISHED FOR THE PROJECT,
26 THE OFFICE SHALL PLACE THE PROJECT ON A LIST FOR MORE INTENSE
27 MONITORING.

28 (c) IN THE COURSE OF MONITORING MAJOR INFORMATION
29 TECHNOLOGY PROJECTS THE OFFICE SHALL DETERMINE WHETHER THERE
30 IS A NEED FOR CORRECTIVE ACTION FOR THE PROJECT. IF THE OFFICE
31 DETERMINES THAT THE PROJECT IS NOT IN COMPLIANCE WITH THE
32 ESTABLISHED BASELINE METRICS FOR THE PROJECT, THAT THE VARIANCES
33 IN THE ESTABLISHED PERFORMANCE INDICATORS OR SUCCESS FACTORS
34 ESTABLISHED FOR THE PROJECT ARE INTOLERABLE, OR THAT THE PROJECT
35 IS OTHERWISE IN NEED OF CORRECTIVE ACTION, THE OFFICE SHALL NOTIFY
36 THE STATE AGENCY THAT IS A PARTY TO THE CONTRACT FOR THE PROJECT
37 OF THE OFFICE'S RECOMMENDED CORRECTIVE ACTION FOR THE PROJECT."

38 Renumber succeeding sections accordingly.

39 Page 4, lines 12 and 13, strike "and 24-103-406".

- 1 Page 4, strike lines 14 through 27.
- 2 Strike page 5.
- 3 Page 6, strike lines 1 through 21.
- 4 Page 6, line 22, strike "**24-103-406.**" and substitute "**24-103-405.**".

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