

59 uniform technology policies, standards, and procedures for use by executive branch agencies in
 60 implementing zero trust architecture and multi-factor authentication on all systems in
 61 accordance with this section.

62 (b) On or before July 1, 2024, the division shall ~~§~~→ [adopt] consider adopting ←~~§~~ the
 62a enterprise security practices
 63 described in this section and ~~§~~→ [implement] consider implementing ←~~§~~ zero trust architecture
 63a and robust identity management
 64 practices, including:

65 (i) multi-factor authentication;

66 (ii) cloud-based enterprise endpoint detection and response solutions to promote
 67 real-time detection, and rapid investigation and remediation capabilities; and

68 (iii) robust logging practices to provide adequate data to support security investigations
 69 and proactive threat hunting.

70 (4) (a) ~~§~~→ [In] If ←~~§~~ implementing a zero trust architecture and multi-factor
 70a authentication, the
 71 division shall ~~§~~→ [prioritize] consider prioritizing ←~~§~~ the use of third-party cloud computing
 71a solutions that meet or exceed
 72 industry standards.

73 (b) The division shall ~~§~~→ [give] consider giving ←~~§~~ preference to zero trust architecture
 73a solutions that comply
 74 with, are authorized by, or align to applicable federal guidelines, programs, and frameworks,
 75 including:

76 (i) the Federal Risk and Authorization Management Program;

77 (ii) the Continuous Diagnostics and Mitigation Program; and

78 (iii) guidance and frameworks from the National Institute of Standards and
 79 Technology.

80 (5) (a) In procuring third-party cloud computing solutions, the division may utilize
 81 established purchasing vehicles, including cooperative purchasing contracts and federal supply
 82 contracts, to facilitate efficient purchasing.

83 (b) The chief information officer shall establish a list of approved vendors that are
 84 authorized to provide zero trust architecture to governmental entities in the state.

85 (c) If an executive branch agency determines that procurement of a third-party cloud
 86 computing solution is not feasible, the executive branch agency shall provide a written
 87 explanation to the division of the reasons that a cloud computing solution is not feasible,
 88 including:

89 (i) the reasons why the executive branch agency determined that a third-party cloud

90 computing solution is not feasible;

91 (ii) specific challenges or difficulties of migrating existing solutions to a cloud
92 environment; and

93 (iii) the total expected cost of ownership of existing or alternative solutions compared
94 to a cloud computing solution.

95 (6) (a) On or before November 30 of each year, the chief information officer shall
96 report on the progress of implementing zero trust architecture and multi-factor authentication
97 to:

98 (i) the ~~§~~→ [Government Operations] Public Utilities, Energy, and Technology ←~~§~~
98a Interim Committee; and

99 (ii) the Cybersecurity Commission created in Section 63C-25-201.

100 (b) The report described in Subsection (6)(a) may include information on:

101 (i) applicable guidance issued by the United States Cybersecurity and Infrastructure
102 Security Agency; and

103 (ii) the progress of the division, executive branch agencies, and governmental entities
104 with respect to:

105 (A) shifting away from a paradigm of trusted networks toward implementation of
106 security controls based on a presumption of compromise;

107 (B) implementing principles of least privilege in administering information security
108 programs;

109 (C) limiting the ability of entities that cause incidents to move laterally through or
110 between agency systems;

111 (D) identifying incidents quickly; and

112 (E) isolating and removing unauthorized entities from agency systems as quickly as
113 practicable, accounting for cyber threat intelligence or law enforcement purposes.