

 EASTERN MICHIGAN UNIVERSITY <small>DIVISION of INFORMATION TECHNOLOGY</small>	Guideline			
	Effective Date	Last Revision	Last Review	Next Review
	07/08/2016	08/30/2016	5/14/15	FY19

Chapter Name	
Security	
Chapter Number	Title
8.10.G.1	Acceptable Encryption

1.0 Purpose

The purpose of this guideline is to assure the effective use of current encryption technologies.

2.0 Governing Policy	
Number/Document Name	Effective Date
8.10 Data Encryption Policy	November 14, 2012

3.0 Guideline

Due to the ever changing nature of encryption technology, I.T., is unable to provide sufficiently current recommendations in this document for encryption technology for securing web servers. In order to ensure the proper balance of security and compatibility, we suggest the use of current Internet resources such as OWASP and Mozilla’s Security Wiki as references for current best practice.

- https://wiki.mozilla.org/Security/TLS_Configurations
- https://www.owasp.org/index.php/Transport_Layer_Protection_Cheat_Sheet

Those wishing to obtain a firewall exemption for EMU hosted servers offering TLS connections should work with the I.T. security team to have the site scanned to ensure a good configuration is in place. Request a scan by contacting securityops@emich.edu with the name/link of the site in question.

For desktop encryption, the technologies included with currently supported operating systems (presently Bitlocker and Filevault) provide adequate protection and are recommended by I.T.

Any other encryption technologies in use should be from the list of FIPS 140-1 and FIPS 140-2 validated cryptographic modules for the year of implementation.

- <http://csrc.nist.gov/groups/STM/cmvp/validation.html#02>

4.0 Responsibility for Implementation

The Director of Network and System Services shall be responsible for implementing this policy

5.0 Definitions	
Term	Definition

6.0 Revision History	
Description	Approval Date
Changed from policy to Guideline and re-written by R. Jenkins	07/08/2016
Approved by CIO	08/30/2016