

# HANDOUT 3

## FIPS 199, Standards for Security Categorization

FIPS Publication 199

Standards for Security Categorization of Federal Information and Information Systems

Table 1 summarizes the potential impact definitions for each security objective—confidentiality, integrity, and availability.

Security Objective	POTENTIAL IMPACT		
	LOW	MODERATE	HIGH
<p><b>Confidentiality</b> Preserving authorized restrictions on information access and disclosure, including means for protecting personal privacy and proprietary information. [44 U.S.C., SEC. 3542]</p>	<p>The unauthorized disclosure of information could be expected to have a <b>limited</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The unauthorized disclosure of information could be expected to have a <b>serious</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The unauthorized disclosure of information could be expected to have a <b>severe or catastrophic</b> adverse effect on organizational operations, organizational assets, or individuals.</p>
<p><b>Integrity</b> Guarding against improper information modification or destruction, and includes ensuring information non-repudiation and authenticity. [44 U.S.C., SEC. 3542]</p>	<p>The unauthorized modification or destruction of information could be expected to have a <b>limited</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The unauthorized modification or destruction of information could be expected to have a <b>serious</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The unauthorized modification or destruction of information could be expected to have a <b>severe or catastrophic</b> adverse effect on organizational operations, organizational assets, or individuals.</p>
<p><b>Availability</b> Ensuring timely and reliable access to and use of information. [44 U.S.C., SEC. 3542]</p>	<p>The disruption of access to or use of information or an information system could be expected to have a <b>limited</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The disruption of access to or use of information or an information system could be expected to have a <b>serious</b> adverse effect on organizational operations, organizational assets, or individuals.</p>	<p>The disruption of access to or use of information or an information system could be expected to have a <b>severe or catastrophic</b> adverse effect on organizational operations, organizational assets, or individuals.</p>

TABLE 1: POTENTIAL IMPACT DEFINITIONS FOR SECURITY OBJECTIVES