Definitions Compared: "Information Assurance," "Information Security," "Cybersecurity" (07-2014)

Term	Protects	Against	How	Why	Source
"Information Assurance" (NIST/IC current, DoD old)	Information and information systems	[not specified]	By ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. This includes providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.	[not specified]	SP 800-59 (2003); CNSSI-4009 (2010); DoDI 8500.01E (2007)
"Information Security" (NIST/IC current)	Information and information systems	Unauthorized access, use, disclosure, disruption, modification, or destruction	[not specified]	In order to provide confidentiality, integrity, and availability.	SP 800-37; SP 800-53; SP 800-53A; SP 800-18; SP 800-60; CNSSI-4009 (2010); FIPS 200; FIPS 199; 44 U.S.C., Sec. 3542
"Cybersecurity" (NIST/IC current)	The use of cyberspace ("the interdependent network of information systems infrastructures including the Internet, telecommunications networks, computer systems, and embedded processors and controllers")	Cyber attacks ("attacks targeting an enterprise's use of cyberspace for the purpose of disrupting, disabling, destroying, or maliciously controlling a computing environment / infrastructure; or destroying the integrity of the data or stealing controlled information")	[not specified]	[not specified]	CNSSI-4009 (2010); NISTIR 7298 Revision 2 (2013)
"Cybersecurity" (DoD old)	The security of information in all its forms (electronic, physical) and the security of the systems and networks where information is stored, accessed, processed, and transmitted	Risks that damage stakeholder trust and confidence, affect customer retention and growth, violate customer and partner identity and privacy protections, disrupt the ability or conduct or fulfill business transactions, adversely affect health and cause loss of life, and adversely affect the operations of national critical infrastructures.	All organizational actions required to ensure freedom from danger and risk; Precautions taken to guard against crime, attack, sabotage, espionage, accidents, and failures	[not specified]	Joint Terminology for Cyberspace Operations
"Cybersecurity" (DoD new)	Computers, electronic communications systems, electronic communications services, wire communication, and electronic communication, including information contained therein	[not specified other than "damage to"]	[not specified other than "prevention of damage to," "protection of," and "restoration of"]	To ensure its availability, integrity, authentication, confidentiality, and nonrepudiation	DoDI 8500.01 (2014)