

Quick Reference Guide
Category 5 Part 2 - Information Security: ECCN 5X

A	“END ITEMS,” “EQUIPMENT,” “ACCESSORIES,” “ATTACHMENTS,” “PARTS,” “COMPONENTS,” AND “SYSTEMS”	
I. CRYPTOGRAPHIC “INFORMATION SECURITY”		
5A002	NS AT EI	<p>“Information security” systems, equipment and “components”</p> <ul style="list-style-type: none"> ▪ .a.1 –designed/modified to use “cryptography” employing digital techniques (other than authentication, See Technical Note); with a “symmetric algorithm” >56-bits; or “asymmetric algorithm” >512-bits (Also See Decontrol Notes) ▪ .b – designed/modified to enable, by means of “cryptographic activation,” an item to achieve/exceed the controlled performance levels for functionality specified by 5A002.a not otherwise enabled ▪ .c – designed/modified to use or perform “quantum cryptography” (Quantum Key Distribution - QKD) ▪ .d – designed/modified to use cryptographic techniques to generate channelizing codes, scrambling codes or network identification codes, for systems using ultra-wideband modulation techniques and having a bandwidth >500 MHz; or “fractional bandwidth” of 20% or more ▪ .e – designed/modified to use cryptographic techniques to generate the spreading code for “spread spectrum” systems, not controlled in 5A002.d, including the hopping code for “frequency hopping” systems.
5A992	AT	<p>Equipment not controlled by 5A002</p> <ul style="list-style-type: none"> ▪ .c – Commodities classified Mass Market – 740.17(b)
II. NON-CRYPTOGRAPHIC “INFORMATION SECURITY”		
5A003	NS AT	<p>“Systems’ “equipment” and “components,” for non-cryptographic “information security”</p> <ul style="list-style-type: none"> ▪ .a – Communications cable systems designed/modified using mechanical, electrical or electronic means to detect surreptitious intrusion (See Note re: physical layer security) ▪ .b – “Specially designed” or modified to reduce the compromising emanations of information-bearing signals beyond what is necessary for health, safety or electromagnetic interference standards.
III. DEFEATING, WEAKENING OR BYPASSING “INFORMATION SECURITY”		
5A004	NS AT EI	<p>“Systems,” “equipment” and “components” for defeating, weakening or bypassing “information security”</p> <ul style="list-style-type: none"> ▪ .a – Designed /modified to perform ‘cryptanalytic functions’ including by means of reverse engineering
B	TEST, INSPECTION AND “PRODUCTION EQUIPMENT”	
5B002	NS AT	<p>“Information Security” test, inspection and “production” equipment</p> <ul style="list-style-type: none"> ▪ .a – Equipment “specially designed” for the “development” or “production” of equipment controlled by 5A002, 5A003, 5A004 or

		<p>5B002.b;</p> <ul style="list-style-type: none"> ▪ .b – Measuring equipment “specially designed” to evaluate and validate the “information security” functions of equipment or “software” controlled by 5A002, 5A003 or 5A004, or 5D002.a or 5D002.c respectively
C	“MATERIAL” – [RESERVED]	
D	“SOFTWARE”	
5D002	NS AT EI	<p>“Software”</p> <ul style="list-style-type: none"> ▪ .a – “Software” “specially designed” or modified for the “development,” “production” or “use” of equipment or “software” controlled by 5A002, 5A003 or 5A004, or 5D002.c respectively ▪ .b – “Software” “specially designed” or modified to support “technology” controlled by 5E002 ▪ .c – Specific “software”: c.1 – having the characteristics, or performing or simulating the functions of the equipment, controlled by 5A002, 5A003 or 5A004; and c.2 – to certify “software” controlled by 5D002.c.1 <u>Note:</u> does not apply to “software” limited to tasks of “OAM” implementing only published or commercial cryptographic standards ▪ .d – “Software” designed/modified to enable, by means of “cryptographic activation,” an item to achieve/exceed the controlled performance levels for functionality specified by 5A002.a not otherwise enabled
5D992	AT	<p>“Information Security” “software” not controlled by 5D002</p> <ul style="list-style-type: none"> ▪ .c – Commodities classified Mass Market – 740.17(b)
E	“TECHNOLOGY”	
5E002	NS AT EI	<p>“Technology”</p> <ul style="list-style-type: none"> ▪ .a – “Technology” according to the General Technology Note for the “development,” “production” or “use” of equipment or “software” controlled by 5A002, 5A003, 5A004 or 5B002, or 5D002.a or 5D002.c respectively ▪ .b – “Technology” to enable, by means of “cryptographic activation,” an item to achieve/exceed the controlled performance levels for functionality specified by 5A002.a not otherwise enabled
5E992	AT	<p>“Information Security” “technology” according to the General Technology Note, not controlled by 5E002</p> <ul style="list-style-type: none"> ▪ .b – “Technology” for the “use” of Mass Market commodities or “software” controlled by 5A992.c or 5D992.c respectively