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Email: customs_classification@customs.gov.sg Form reference: SC-A-064A (Ver 10 – 11/20)

ANNEX A - PRODUCT QUESTIONNAIRE A-1 CRYPTOGRAPHY (Based on SGCO 2020)

SE	CTIC	ON A	BASIC PF	RODUCT INFORMAT	TION				
(1)	1) Name of the Manufacturer:								
(2)	2) Brand:								
(3)	3) Model No. / Part No.:								
SE	CTIC	ON B	CRYPTO	GRAPHY NOTE					
(4)			available a ollowing m		t 'retail selling poi	nts'	'without restriction	', to the 'general public' through	
	('Retail selling points' are places where the cryptographic item is readily available for sale and that any person can order with reference to available catalogues and advertisements. (e.g. computer shops that are easily accessible by buyers, sales via majorder, telephone, fax or online transactions)								
	'Without restriction' means that any person may acquire the products by paying the standard price to the seller without being subject to any additional conditions, other than those normally arising from copyright (e.g. conditions imposed in a software licence). The price and information about the main functionality of the item are available before purchase without the need to consult the vendor or supplier. A simple price enquiry is not considered to be a consultation.							. conditions imposed in a software	
		ng availa I busines		from stock to the 'gene	ral public' means tha	at th	e item is of potential i	nterest to a wide range of individuals	
	(a)	Over-th	ne-counter t	transactions		(b)	Mail order transac	tions	
		☐ Yes	3	☐ No			☐ Yes	□ No	
		If 'Yes',	, please pro	ovide contact details o	of seller:		If 'Yes', please pro	ovide contact details of seller:	
	(c)	Electro	nic transac	itions		(d)	Telephone call tra ☐ Yes	nsactions	
				ovide contact details o	of seller:		_	ovide contact details of seller:	

(5)	Can the user easily change the cryptographic functionality of the item from what is specified in the manufacturer's specification?								
			cryptographic functi user selection on th						er's specification. Specific function
		Yes			☐ No				
	If 'Y	∕es',	please provide d	etails:					
(6)			em designed for i		•				
	·		es not include nom	nal installati		as telephone or	e-m	nail help-lines to res	solve user problems.)
	Ш	Yes			□ No				
	If 'N	No', p	lease provide de	tails:					
(7)	ls th	he ite	em a hardware co	omponent o	r 'executable s	oftware' desigi	ned	for a <u>higher asse</u>	embly?
	('Ex	cecuta arv in	able software' mea nages of the softwa	ns software re running o	in executable for	rm, from an exis	ting	hardware compon	nent. It does not include complete
	_	Yes	ages of the contra	ro ranning o	□ No				
	I£ 157	/aa'	wlassa stata tha	fallovijaa	_				
	If 'Yes', please state the following:			sombly and sub	mit the relevan	at n	roduct information	n (product brochure / technical	
	(a)		ecification):	Ingrici asc	scribly and suc	milit the relevan	ıιρ	roduct imormation	r (product broonare / teermical
	(b)		he <u>higher asseml</u> olic through any o			n stock at 'reta	il s	elling points' 'with	nout restriction', to the general
		(i)	Over-the-counter	transaction	าร		(ii)	Mail order transa	actions
		(.)	Yes		lo		(,	Yes	☐ No
									<u>—</u>
			lf 'Yes', please pr seller:	ovide conta	act details of			seller:	provide contact details of
		(iii)	Electronic transa	ctions			(iv)	Telephone call to	ransactions
		()	Yes	□ N	0		(.,,	Yes	☐ No
									-
			lf 'Yes', please pr seller:	ovide conta	act details of			If 'Yes', please p seller:	provide contact details of

	(c)	Can the user easily change the cryptographic functionality of the <u>higher assembly</u> from what is specific manufacturer's specification?	d in the
		(i.e. the cryptographic functionality in the product can only be used according to the manufacturer's specification. function such as user selection on the key length, etc., is not considered as "easily change".)	Specific
		☐ Yes ☐ No	
		If 'Yes', please provide details:	
	(d)	Is the <u>higher assembly</u> designed for installation by the user without further substantial support by the se (This does not include nominal installation support such as telephone or e-mail help-lines to resolve user problems	upplier?
		☐ Yes ☐ No	
		If 'No', please provide details:	
	(e)	Does the hardware component or 'executable software' change any cryptographic functionality of the <u>assembly</u> , or add new cryptographic functionality to the <u>higher assembly</u> ?	higher
		☐ Yes ☐ No	
	(f)	Is the feature set of the hardware component or 'executable software' fixed and not designed or modifie customer's specification?	d to the
		☐ Yes ☐ No	
SE	CTIC		
		☐ Yes ☐ No ION C FUNCTIONALITY OF PRODUCT of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting informa	tion.
If a	ny o	ION C FUNCTIONALITY OF PRODUCT	
If a	ls th not ("Cr	ION C FUNCTIONALITY OF PRODUCT of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated by "cryptographic activated	tivation"
If a	Is the not ("Cr. secular of the	ION C FUNCTIONALITY OF PRODUCT of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated to temploying a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means any indicativated by the manufacturer of the item, where this mechanism is uniquely bound to a single	tivation"
If a	Is the not ("Crisecular of the	of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated to employing a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means activated by the manufacturer of the item, where this mechanism is uniquely bound to a single the item or one customer, for multiple instances of the item.) Yes \[\begin{array}{c} \text{No} \end{array} \] No	tivation"
(8)	Is the not ("Cr. sector of the last it ("Infoccion")	of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated to employing a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means any technique that activates or enables cryptographic capability of an item, by means any technique that activates or enables cryptographic capability of an item, by means of "cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means of "cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means of the item or one customer, for multiple instances of the item.)	tivation" eans of a instance
(8)	Is the not ("Crype" "Crype" "" "Crype" "Crype" "Crype" "Crype" "Crype" "Crype" "Crype" "Crype"	of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated to temploying a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by meacure mechanism implemented by the manufacturer of the item, where this mechanism is uniquely bound to a single the item or one customer, for multiple instances of the item.) Yes No it an item having "information security" as a primary function? Information security" means all the means and functions ensuring the accessibility, confidentiality or integrity of informations, excluding the means and functions intended to safeguard against malfunctions. It includes "cryptographic capability and supporting informations."	tivation" eans of a instance mation or ography",
(8)	Is the not ("Cr. sector of the community	ION C FUNCTIONALITY OF PRODUCT of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting informate the cryptographic capability usable, has been activated or can be activated by means of "cryptographic activated temploying a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by means mechanism implemented by the manufacturer of the item, where this mechanism is uniquely bound to a single the item or one customer, for multiple instances of the item.) Yes	tivation" eans of a instance mation or ography", er to hide a secure
(8)	Is the not ("Cr. sector of the	of your answers to (8) to (31) are 'Yes', please provide the relevant details and supporting information capability usable, has been activated or can be activated by means of "cryptographic activated to employing a secure mechanism? Cryptography activation" means any technique that activates or enables cryptographic capability of an item, by meacure mechanism implemented by the manufacturer of the item, where this mechanism is uniquely bound to a single the item or one customer, for multiple instances of the item.) Yes	tivation" eans of a instance mation or ography", er to hide a secure stance of

(10) Is it a digital communication or ne	etworking system, equipment or component?
Yes	□No
(11) Is it a computer, or item having in	formation storage or processing as a primary function, or its component therefor?
Yes	□No
(12) Is it an item where the cryptograp	phic functionality supports a non-primary function of the item?
Yes	□ No
(13) Is it an item where the cryptograp as a standalone item, be specified	phic functionality is performed by incorporated equipment or "software" that would, in Category 5 – Part 2?
("software" means a collection of one	or more 'programs' or 'microprograms' recorded, stored or embodied in any device;
'Program' means a sequence of instruction computer.	ructions to carry out a process in, or convertible into, a form executable by an electronic
'Microprogram' means a sequence of by the introduction of its reference ins	elementary instructions maintained in a special storage, the execution of which is initiated truction into an instruction register.)
☐ Yes	□No
(14) Is it a smart card or an electronic	ally readable personal document (e.g. token coin, e-passport)?
Yes	□ No
If 'Yes', please state the following	:
	restricted for use in equipment or systems that are not stated in (9) to (12)?
☐ Yes ☐ No	
(b) Is the cryptographic capabili confidentiality'?	ty restricted for use in equipment or systems not using 'cryptography for data
('Cryptography for data confident function other than any of the foll	iality' means "cryptography" that employs digital techniques and performs any cryptographic lowing:
(i) "Authentication";	
(ii) Digital signature;	
(iii) Data integrity;	
(iv) Non-repudiation;	
(v) Digital rights management,	including the execution of copy-protected software;
(vi) Encryption or decryption in	support of entertainment, mass commercial broadcasts or medical records management; or
(vii) Key management in suppo	rt of any function described in paragraphs (i) to (vi) above.
resources in an information sys aspects of access control where	g the identity of a user, process or device, often as a prerequisite to allowing access to tem. This includes verifying the origin or content of a message or other information, and all there is no encryption of files or text except as directly related to the protection of passwords, s (PINs) or similar data to prevent unauthorised access.)
☐ Yes ☐ No	
(c) Can it be reprogrammed for a	ny other use?
☐ Yes ☐ No	

(0	(d) Has the application been, or can only be, personalised for public or commercial transactions or individual identification where the cryptographic capability is not user-accessible and it is specially designed and limited to allow protection of 'personal data' stored within?				
	('Personal data' incl necessary for "authe		articular person or entity, such as the amount of money stored and data		
	☐ Yes	☐ No			
` '			ed, and limited, for items fulfilling (13) (a) to (13) (c), or (13) (d)? ates with smart cards or electronically readable documents through a		
	etwork.)				
	Yes	□No			
(16) I	s it a cryptographic e	quipment specially designe	d and limited to banking use or 'money transactions'?		
('	Money transactions' inc	lude the collection and settlen	nent of fares or credit functions.)		
	Yes	□No			
sy th	ystems) that are not on an Radio Access Ne	capable of transmitting enc	use (e.g. for use with commercial civil cellular radio communication rypted data directly to another radiotelephone or equipment (other or of passing encrypted data through RAN equipment (e.g. Radio ller (BSC))?		
	Yes	☐ No			
ù	nboosted cordless of		e of end-to-end encryption where the maximum effective range of layed hop between terminal and home base station) is less than ons?		
	Yes	☐ No			
p a	ublished or commerci Iso meet the provision	ial cryptographic standards ns stated in (5) and (6), tha	similar client wireless device for civil use, that implements only (except for anti-piracy functions, which may be non-published) and thave been customised for a specific civil industry application with ionality of these original non-customised devices?		
	Yes	□No			
` р о	ublished or commerc perating range not e	cial cryptographic standard exceeding 30 m according	wireless "personal area network" functionality that implement only s <u>and</u> where the cryptographic capability is limited to a nominal to the manufacturer's specifications, or not exceeding 100 m equipment that cannot interconnect with more than seven devices?		
("	'Personal area network'	' means a data communicatior	system having both of the following characteristics:		
	a. Allows an arbitrary	number of independent or int	erconnected 'data devices' to communicate directly with each other; and		
		communication between devic office or automobile and their	es within the immediate vicinity of an individual person or device controller nearby surrounding spaces).		
'L	Data devices' means eq	uipment capable of transmittin	g or receiving sequences of digital information.)		
	Yes	☐ No			
p) and (6), having an RF out	Network (RAN) equipment designed for civil use, and also meet the put power limited to 0.1 W (20 dBm) or less, and supporting 16 or		
	Yes	☐ No			

(22) Is it a router, switch or relay, where the "information security" functionality is limited to the tasks of "Operations, Administration or Maintenance" ("OAM") implementing only published or commercial cryptographic standards?								
("OAM" mea	ns performing one or more of	f the following tasks:						
a. Establis								
1. Ac	Accounts or privileges of users or administrators;							
2. Se								
		ort of any of the tasks described i						
•		wing tasks or their associated ke	•		:			
a. Pro	visioning or upgrading any	cryptographic functionality that the tasks described in paragrapi	at is	not directly related				
		nctionality on the forwarding or d						
Yes	[□No	,	,				
	_	⊒ •						
(23) Is it a gen	eral purpose computing eq	uipment or server?						
☐ Yes	[□No						
If 'Yes' ple	ase state the following:							
•	_	nctionality use only published	ad or	commercial cryptor	granhic standards?			
` _		notionality use only published	ou oi	commercial crypto	grapriio staridards:			
∐ Ye	s 📙 No							
			_					
(b) Is the	_	onality integral to a Central P	Proce	essing Unit (CPU)?				
∐ Ye	s ∐ No							
If 'Yes'	please state the following	:						
	he <u>CPU</u> available and solo ough any of the following n	d from stock at 'retail selling neans?	g poir	nts' 'without restrict	ion', to the 'general public'			
(-)	0	£	/I- \	A - 11 1 4 41:				
(a)	Over-the-counter transac		(p) [Mail order transactio				
	∐ Yes ☐ No	0	L	Yes	∐ No			
	If 'Yes', please provide co seller:	ontact details of		f 'Yes', please prov seller:	ide contact details of			
(c)	Electronic transactions	(0	(d) T	Геlephone call trans	sactions			
	☐ Yes ☐ No	0	Г	Yes	□ No			
			_					
	If 'Yes', please provide co seller:	ontact details of		f 'Yes', please prov seller:	ide contact details of			

	(ii) Can the user easily change the cryptographic functionality of the <u>CPU</u> from what is specified in the manufacturer's specification?					
			aphic functionality in the product can only be used according to the manufacturer specification. Specific user selection on the key length, etc., is not considered as "easily change".)			
		Yes	□ No			
		If 'Yes', please	provide details:			
	(iii)	Is the <u>CPU</u> des	igned for installation by the user without further substantial support by the supplier?			
		(This does not in	clude nominal installation support, such as telephone or e-mail help-lines to resolve user problems.)			
		☐ Yes	□ No			
		If 'Yes', please	provide details:			
(c)	le ti	no "information	security" functionality integral to an operating system?			
(c)	_	Yes	□ No			
		'es', please stat	-			
	(i)		g system specially designed or modified for the "development", "production" or "use" of an curity" equipment?			
		design research,	in relation to any goods, means any stage prior to the serial production of the goods, including design, design analysis, development of a design concept, assembly and testing of a prototype, pilot production, esign data, the process of transforming design data into a product, configuration design, integration ut;			
		"production", in a	relation to any goods, means any stage of production of the goods, including construction, production nufacture, integration, assembly, mounting, inspection, testing, and quality assurance;			
		"use", in relation of the goods.)	to any goods, means the operation, installation, maintenance, inspection, repair, overhaul or refurbishing			
		☐ Yes	□ No			
	(ii)	Is the operating	g system having the characteristics of a cryptographic activation token stated in (25)?			
		☐ Yes	□ No			
(d)	ls tl	ne "information	security" functionality limited to "OAM" of the equipment?			
		Yes	□ No			
(24) Is it	sp	ecially designed	I for a 'connected civil industry application'?			
` '	-	-	application' means a network connected consumer or civil industry application other than "information			
	-	", digital communi	ication, general purpose networking or computing.)			
\Box	es/		∐ No			

	lf 'Y	'Yes', please state the following:						
	(a)	Is it a network-cap arbitrary data' or the	able endpoint device where the "information security" functionality is limited to securing 'none tasks of "OAM"?					
			neans sensor or metering data directly related to the stability, performance or physical measurement of rature, pressure, flow rate, mass, volume, voltage, physical location, etc.), that cannot be changed by .)					
		Yes	□ No					
	(b)	Is it a network-cap	ble endpoint device limited to a specific 'connected civil industry application'?					
	` ,	Yes	□ No					
	(c)	Is it a networking e	quipment specially designed to communicate with the devices stated in (23)(a) and (23)(b)?					
		☐ Yes	□ No					
	(d)	civil industry appl	quipment where the "information security" functionality is limited to supporting the 'connected cation' of devices stated in (23)(a) and (23)(b), or the tasks of "OAM" of this networking er items stated in (23)?					
		Yes	□ No					
	(e)		rmation security" functionality implements only published or commercial cryptographic cryptographic functionality cannot easily be changed by the user?					
		☐ Yes	□ No					
25)	ls i	t a cryptographic a	tivation token designed or modified to enable, by means of "cryptographic activation":					
	(a)		tem not specified in Category 5 – Part 2 "Information Security" into an item stated in (32) or re" having the characteristics of, or performing or simulating the functions of (26), (27) and					
		☐ Yes	□ No					
	(b)	For enabling, addi	ional functionality stated in (32) or (33) of an item already specified in Category 5 – Part 2					
		☐ Yes	□ No					
26)	ls i	t designed or modi	ed to use or perform "quantum cryptography"?					
	qua	ntum-mechanical pro	means a family of techniques for the establishment of shared key for "cryptography" by measuring the perties of a physical system (including those physical properties explicitly governed by quantum optics, pantum electrodynamics).					
	"Qu	antum cryptography"	s also known as Quantum Key Distribution (QKD).)					
	□ `	Yes	□ No					
•	net	work identification of	fied to use cryptographic techniques to generate channelising codes, scrambling codes or odes, for systems using ultra-wideband modulation techniques and having either a bandwidth a "fractional bandwidth" of 20% or more?					
	("Fra	actional bandwidth" r	eans the "instantaneous bandwidth" divided by the centre frequency, expressed as a percentage.					
		tantaneous bandwidt er operating paramete	" means the bandwidth over which output power remains constant within 3 dB without adjustment of s.)					
	□ '	Yes	□ No					

	use cryptographic techniques to generate the spreading code for "spread spectrum" red in (26) including the hopping code for "frequency hopping" systems?
("Spread spectrum" means the te much wider energy spectrum.	echnique whereby energy in a relatively narrow-band communication channel is spread over a
	m of "spread spectrum" in which the transmission frequency of a single communication channel or pseudo-random sequence of discrete steps.)
Yes	□ No
(29) Is it a communications cable s surreptitious intrusion?	system designed or modified using mechanical, electrical or electronic means to detect
	only includes physical layer security where the physical layer includes Layer 1 of the Reference nection (OSI) (Ref. ISO/IEC 7498-1).)
Yes	□ No
	dified to reduce the compromising emanations of information-bearing signals beyond safety or electromagnetic interference standards?
Yes	□ No
(31) Is it designed or modified to p	erform 'cryptanalytic functions'?
(This includes systems or equipm	nent, designed or modified to perform 'cryptanalytic functions' by means of reverse engineering.
	tions designed to defeat cryptographic mechanisms in order to derive confidential variables or t, passwords or cryptographic keys.)
Yes	□No
SECTION D TECHNICAL QUE	ESTIONS
	ESTIONS Illowing is 'Yes', please provide the relevant details and supporting information.
	lowing is 'Yes', please provide the relevant details and supporting information.
If your answers to any of the followin	lowing is 'Yes', please provide the relevant details and supporting information.
Does the item contain the followin (32) A "symmetric algorithm" employed	llowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits?
Does the item contain the followin (32) A "symmetric algorithm" means a	lowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions?
If your answers to any of the followin Does the item contain the followin (32) A "symmetric algorithm" empl ("Symmetric algorithm" means a contain the followin	Ilowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.)
If your answers to any of the following Does the item contain the following (32) A "symmetric algorithm" means a second year. Yes If 'Yes', please state the following.	Ilowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.)
If your answers to any of the followin Does the item contain the followin (32) A "symmetric algorithm" empl ("Symmetric algorithm" means a contain the followin	Ilowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.)
If your answers to any of the following Does the item contain the following (32) A "symmetric algorithm" means a second year. Yes If 'Yes', please state the following.	Ilowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.)
If your answers to any of the following (32) A "symmetric algorithm" employers ("Symmetric algorithm" means a surface of the s	dowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.) No ving:
If your answers to any of the following (32) A "symmetric algorithm" employs ("Symmetric algorithm" means a second of Yes If 'Yes', please state the follows (a) Full name: (b) Key length: bits	dowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.) No ving:
If your answers to any of the following Does the item contain the following (32) A "symmetric algorithm" empty ("Symmetric algorithm" means a description Yes If 'Yes', please state the following (a) Full name: (b) Key length: bits (c) Is it used for any of the following (i) "Authentication" Yes	dowing is 'Yes', please provide the relevant details and supporting information. g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.) No ving:
If your answers to any of the following (32) A "symmetric algorithm" employers ("Symmetric algorithm" means a second of the following (a) Full name: (b) Key length: bits (c) Is it used for any of the following (i) "Authentication"	g cryptographic functions? oying a key length in excess of 56 bits, not including parity bits? cryptographic algorithm using an identical key for both encryption and decryption.) No ving:

	(iii) Data integ	grity				
	☐ Yes	☐ No				
(iv) Non-repudiation						
☐ Yes ☐ No						
	(v) Digital rights management, including the execution of copy-protected software					
☐ Yes ☐ No						
	(vi) Encryption or decryption in support of entertainment, mass commercial broadcasts or medical rec management					
	☐ Yes	☐ No				
	(vii) Key mana	agement in support	of any of the cryptographic functions in (31) (c) (i) to (vi)			
	☐ Yes	☐ No				
(d)	Is it used for encry	votion or decryption	other than the cryptographic functions in (31) (c)?			
()	Yes	∏ No				
		_				
	If 'Yes', please sp	ecify what is being	encrypted/decrypted:			
	Files	☐ Text	☐ Communication			
	Others, please	e specify:				
(33) An	"asymmetric algor	ithm" where the se	curity of the algorithm is based on any of the following:			
	symmetric algorithm' ryption.	" means a cryptogra	aphic algorithm using different, mathematically-related keys for encryption and			
	algorithm described stant.)	by 33 (c), (d) and (e) below may be referred to as being post-quantum, quantum-safe or quantum-			
(a)	Factorisation of in	tegers in excess of	512 bits (e.g. RSA)			
	☐ Yes	☐ No				
(b)	Computation of dis Hellman over Z/pz		a multiplicative group of a finite field of size greater than 512 bits (e.g. Diffie-			
	Yes	☐ No				
(c)		closest vector prob	olems associated with lattices (e.g. NewHope, Frodo, NTRUEncrypt, Kyber,			
	Titanium)					
	Yes	□ No				
(d)	_		gular elliptic curves (e.g. Supersingular Isogeny Key Encapsulation)			
	☐ Yes	∐ No				
(e)	Decoding random	codes (e.g. McElie	ece, Niederreiter)			
	☐ Yes	☐ No				
(f)	Other public key p	orimitives in excess	of 112 bits (e.g. Diffie-Hellman over an elliptic curve)			
	☐ Yes	☐ No				
	If 'Yes' to any of th	ne above, please st	ate the following:			
	(i) Describe brief	fly the primitives us	ed:			

(ii)	Full name:	
(iii)	Key length:	bits
(iv)	Is it used for any o	f the following?
	(a) "Authentication	
	☐ Yes	□ No
	(b) Digital signatur	re
	☐ Yes	□ No
	(c) Data integrity	
	☐ Yes	□ No
	(d) Non-repudiatio	n
	☐ Yes	□ No
		anagement, including the execution of copy-protected software
	☐ Yes	□ No
	(f) Encryption or of management	decryption in support of entertainment, mass commercial broadcasts or medical records
	☐ Yes	□ No
	(g) Key managem	ent in support of any of the cryptographic functions in (33) (a) (iii) (a) to (f)
	☐ Yes	□ No
(v)		ption or decryption other than the cryptographic functions in (33) (a) (iii)?
	Yes	□ No
	If 'Yes', please spe	cify what is being encrypted/decrypted:
	Files	☐ Text ☐ Communication
	Others, please	specify:
(34) Are the DSP co		orithms implemented in hardware (ASIC/ ASSP/ gate array) or software (microprocessor/