PROCEDURE FOR DSC CONFIGURATION

1. **INSTALL GEMALTO TOKEN DRIVER**

- A. Installation of the driver has to be done for the first time and only once.
- B. Open the Browser and go to <u>http://nicca.nic.in</u>
- C. Click on Download Smart Card/USB e-Token Driver as shown in below.

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View DSC Fee Structure Download DSC Request Form Download DSC Request Form	vnload Smart Card/USB eToken Driver	
NOTICE:Implementation of Interoperability Guidelines for Digital	Signature Certificates (DSC) issued under Information Technology	
It is to bring to the notice of all concerned that NICCA would start issuing D Guidelines,upon communication from CCA. All application vendors are requ downloaded from here: <u>SHA256 with 2048</u> <u>Trust Chain</u>	SC as per new certificate profile as laid down in the Interoperability ested to test their application with new certificates(DSC) which can be	
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As per CC From 1st January 2012, NICCA shall issue DSC with Sig	A directives: nature Algorithm SHA256 with 2048 bits key strength only.	
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D. Click on Sl. No. 15 Gemalto Token Windows Driver Download (zip format).

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	I. DataKey Reader Download (User ToolKit) [zip format] (for Windows)	Datakey SmartCard	-	
	2. DataKey Reader Download (3DK) [zip format] (for Windows) (To initialize the token on smart card)	Certificate Import/Export		
	3. DataKey Reader Download [.zip format] (for Windows Vista)			
	4. DataKey Reader Download [.tar format] (for Linux)			
	5. Saßenet Borderless Security Download [.zip format] (for WindowsXP/Vista)			
	5. Saßenet iKey 2032 USB Token Download [zip format] (for WindowsXP/Vista)			
	N.B.: For latest DataKay Reader driver of Windows 2000/XP/ME/Vista/2003, Pla visit the SCM website: http://www.scmmicro.com/support/pc-security-support/downloads.html			
	7. StarKey/G&D Sa@Sign identity-client Download [.zip format] (for all Windows XP/Vista/7 - 32/64 bit OS)	G&D SmartCard		
	7a StarKey/G&D SakSign identity-client Download [zip format] (for Linux SuSe & RHEL4/5)	Certificate Import/Export		
	 Aladdin «Token PKI-Client Download [zip format] (for Windows) 	Aladdin eToken		
	<u>Aladdin «Token SDK Download [zip format]</u> (for Windows)	Certificate Import/Export		
	 Aladdin eToken PKI-Client x32/x64 bits Download [.zip format] (for Windows 7/XP/Vista) 			
	10. Aladdin eToken PKI Client Download [zip format] (for Linux)			
	11. Moserbaer Crypto Token Windows Driver Download [.zip format] (for all Windows - 32/64 bit OS)	Moserbaer-Token-Instruction		
	12. Moserbaer & StarKey 400 Driver for CUT MW Download [zip format] (for all Windows - 32/64 bit OS)	Moserbaer-Startkey-Instruction		
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E. Unzip the downloaded file as shown in figure.



F. Install the driver by double clicking on install file, as shown in the figure below. Click on Next button when prompted and click on finish button on completion of installation.

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G. On completion of installation of Gemalto token driver the short cut SC-SED will come on screen as shown in figure.



2. **INITIALIZATION OF GEMALTO TOKEN**

A. Insert USB token in the USB port.

B. Double click on that icon **SC-SED** and the SC-SED utility open up as shown below. Under Select Card drop-down, select **Gemplus USB Key Smart Card Reader 0.**



As soon as the USB token will be inserted, a pop-up window appear and will prompt you to enter the PIN and lable information e.g. your details (Name, Department, Organisation). Enter these details and click OK. In approximately 30 seconds the token will get initialized.

NOTE: The default PIN for Gemalto e-Token is "0000" [Four times zero]

3. BROWSER SETTINGS

Active-X controls need to be enabled in Internet browser. In order to ensure this, please do the following:

- A. Open a browser window
- B. Go to Tools>> Internet Option>>Security

C NIC Certifying Authority - Windows Internet Explorer
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😵 Your current security settings put your computer at risk. Click here to change your
Internet Options - Security At Risk ? ×
General Security Privacy Content Connections Programs Advanced
Your security settings put your computer at risk
Select a zone to view or change secondy seconds.
Internet Local intranet Trusted sites Restricted sites
Internet Sites This zone is for Internet websites, except those listed in trusted and restricted zones. Sites
Security level for this zone
Custom - Your security settings are below the recommended level, putting your computer at an increased risk of online attack. - To change the settings, click Custom level. - To use the recommended settings, click Default level.
Custom level Default level
Reset all zones to default level
OK Cancel Apply

C. Click 'Custom Level' and set security level as 'Medium' and enable/prompt Active-X controls as shown below.





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4. DOWNLOAD AND INSTALL CERTIFICATE CHAIN

To download and install certificate chain follow these steps:

A. Open the browser and go to <u>https://nicca.nic.in</u>

B. Bring mouse to Repository and click certificate Chain (CCA, NICCA and NIC Sub-CA Certs)

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	supports only Windows XP/2000/Vista/7.0	with browser IE0/7/8									

C. Click on download (Left hand side window pane) and click download certificate chain (.zip format). Save this file on desktop or desired location.

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D. Unzip this file and it will display a number of files.

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E. Install NICCA 2011 and NIC Sub-CA for NIC 2011 certificates directly.







F. Install CCA India 2011 certificate under Trusted Root Cerificate only.







5. ENROLMENT INSTRUCTIONS FOR DIGITAL SIGNATURE CERTIFICATE

When enroll for a digital certificate, cryptographic keys are generated and stored on USB token.

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	It is to bring to the notice of all Guidelines,upon communication downloaded from here: <u>SHA</u>	I concerned that NICCA would start i on from CCA. All application vendors 256 with 2048 Trust Chain	issuing DSC as per new certificate profile as laid do s are requested to test their application with new co	wn in the Interoperability rtficates(DSC) which can be	
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	From 1st Janu:	A ary 2012, NICCA shall issue DSC	s per CCA directives: with Signature Algorithm SHA256 with 2048 l	its key strength only.	
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A. Open the browser and go to <u>https://nicca.nic.in</u>.

B. Click Member Login and login with User-id/Password issued by NIC Certifying Authority. (Note: User-id and password has been sent by NIC on email IDs)

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- C. Insert USB token in USB port.
- D. Click Enroll or Step-1 for generating Digital Certificate key pairs.

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	The Enroll	ment procedure	e requires you to go t	hrough the 4 steps outlined below.	
	Click here for i Step-1: Enro Choose f your Digi	installation instruction oll for a Digital Certi the Enroll option or <u>clie</u> tal Certificate key pairs	ns≫ (ficate sk here to enroll and generate 3.	Step-2: Validation documents as per "The IT Act, 2000" • Submit physical copies of the completed <u>Certificate Request</u> <u>Form</u> and supporting validation documents.	
	Chara Da Vian		More >>	More >>	
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				More >>	
	About Us Reposit	tory Contact Us Priv	acy policy Legal disclaimer s imited - All Pichts Reserved		

E. Read the enrolment check of list and close.



F. An Electronic Form will appear, which is self-explanatory. Fill in details as mentioned in Digital Signature Certificate Request form.

- (i) Certificate Class: It is fixed at the time of User-id creation.
- (ii) Certificate Type: Select **Signing Certificate**
- (iii) Do you have a certificate request already generated? Click No

(iv) Fill in seven mandatory fields under "**Contents of your Digital Certificate**"

(v) **Cryptographic Service Provider :** Select Microsoft Base Smart Card crypto provider.

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G. Check all entries once again and click Generate Request. (A confirmatory message will be displayed on computer screen. Read it and click OK). At this time the pop-up will come to enter PIN of USB token. (**Default PIN of USB token is 0000**)

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H. The Digital Certificate Key pair will be generated on USB token. A request number will also be generated and displayed on computer screen. Please note it down for futher follow up and save it to desired location.

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			Certificate Class	CLASS2		
			Certificate Profile	Organization		
			Certificate Type	Signing Certificate		
			Contents of your Digital	Certificate Request		
			Name	A Banerjee		
			Organization	Indian Coast Guard		
			Organization Unit	Directorate of IT		
			E-mail Address	webmaster@indiancoastguard.nic.in		
			State	New Delhi		
			Postal Code	110001		
			Country	IN		
			Subject Alternative Name	rfo822Name=webmaster@indiancoastguard.nic.in		
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J. No need to go to Step-2.

K. Go to Step-3 OR Step-4 to view the status of DSC Request or simply click View Status on the top of the page.

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L. The RA administrator and CA administrator of NIC, New Delhi processes the certificate request. Digital/Encryption certificate will be generated and authentication PIN will be sent to email address by NIC. Now the view status will show download certificates.

7. DOWNLOADING DIGITAL CERTIFICATE ON USB TOKEN

A. Open the browser and go to <u>https://nicca.nic.in</u>.

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B. Click Member Login and login with User-id / Password issued by NIC certifying Authority.

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B. Click on View Status – This will show DSC request. If the certificate has been generated a link will be provided on the DSC request number.

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		125243	Certificate Generated	GENERATION	Encryption Certificate	Class 2	Organization	2012-11-24 11:13:57.0	
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C. Click on DSC Request Number.

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	- Click 'Download' - You will need to - Click 'Back' to go	to download the certificate or enter the Authentication PIN back to the 'View Status' pag	to your Browser / Smart Card / USB Token, as applicable. ent to the Email ID provided in your certificate request.	
			Your Digital Certificate Information	
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D. Click on download and OK.



E. Click on run to the pop-up and enter authentication PIN (Ten Digit Alphabetic code – all Capital Letters forwarded by NIC on email) and click on download.

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	Organisation	Indian Coast Guard	
	State	New Delhi	
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	Country	IN	
	Serial Number	3508ED7206D36AB61207	
	Please enter the Authentication I	PIN sent to webmaster@indiancoastguard.nic.in, the E-mail ID provided in the certificate request.	-
	Authentication PIN		

F. When 10 digit **Alphabetic code is enter and press OK**, a pop-up window appear and will prompt you to enter the PIN of USB token. Now the certificate will be downloaded on your USB token.

NOTE: The default PIN for Gemalto e-Token is "0000" [Four times zero]

Smart Card	I PIN 🗙	
		a strong
PIN:		
	OK Cancel	

8. ENABLING DIGITAL CERTIFICATE FOR NIC EMAIL ACCOUNT:

- A. Open the Microsoft Outlook Express of your configured email account.
- B. Select Option from Tool menu.

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C. Select the Security tab of the Options dialog and Check Digitally sign all outgoing message so that it is turned on.

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- D. Click on OK to dismiss the Option dialog.
- E. When first time sending email enter the PIN of USB token.

