# **ENSAT Security Certificate Procedures**

In this document are the procedures for installing the necessary certificate to access the ENSAT registry over a secure link on Internet Explorer, Mozilla Firefox, Google Chrome and Safari. If you use another browser, please contact me directly at <u>astell@unimelb.edu.au</u>.

## **Certificate Installation – Internet Explorer**

Sent to you along with this document is a file called ensat\_certfile.cer. This is the digital certificate that is required to be uploaded to your browser. To do this in IE, please follow the instructions below.

Open Internet Explorer. Select "Tools", then "Internet Options". Click on the "Content" tab, then click on the button marked "Certificates". This will open the box that shows what certificates are already installed in your browser:

termediate Certificati	on Authorities Trusted	Root Certific	cation Authorities	Trusted Pub
AddTrust Extern America Online Autoridad Certifi	Issued By ABA.ECOM Root CA AddTrust External America Online Ro Autoridad Certifica Autoridad Certifica	30/05/2 19/11/2 28/06/2	Friendly Name DST (ABA.EC USERTrust America Onlin Autoridad Cer Autoridad Cer	
Baltimore EZ by Belgacom E-Tru C&W HKT Secur C&W HKT Secur	Baltimore EZ by DST Belgacom E-Trust C&W HKT Secure C&W HKT Secure	03/07/2 21/01/2 16/10/2 16/10/2	DST (Baltimor Belgacom E-T CW HKT Secu CW HKT Secu CW HKT Secu	
	C&W HKT Secure	16/10/2	CW HKT Secu	Advance
ertificate intended pu	rposes			
				View

Click on the button marked "Import..." and this will start the Certificate Import Wizard. Follow the instructions through this wizard. When prompted for a certificate file, navigate to the file sent with this document:

rtific	ate Import Wizard
File to	Import
Sp	ecify the file you want to import.
_	e name: :\Other\ENSAT\ensat_certfile.cer Browse
No	te: More than one certificate can be stored in a single file in the following formats:
NO	Personal Information Exchange- PKCS #12 (.PFX,.P12)
	Cryptographic Message Syntax Standard- PKCS #7 Certificates (.P7B)
	Microsoft Serialized Certificate Store (.SST)
	<u>A Back</u> <u>Next</u> > Cancel

Click "Next". On the next screen, choose the option marked "Place all certificates in the following store" and select "Trusted Root Certification Authorities":

Click "Next" and "Finish". The following warning dialog box will appear:



Click "Yes". If everything runs correctly, the certificate will be installed with the following confirmation box:



Now when you navigate to the ENSAT registry at https://registry.ensat.org, you should reach it directly without getting a warning from your browser.

#### "Mixed Content" Message – Internet Explorer

Images on the ENSAT registry (the ENSAT and ESF logos) are served from an unencrypted channel, but as part of an encrypted website. This does not pose any kind of security issue but IE treats this as "mixed content" and browsers are set to a default of prompting you on each pageload:

Security Warning				
A	Do you want to view only the webpage content that was delivered securely?			
	This webpage contains content that will not be delivered using a secure HTTPS connection, which could compromise the security of the entire webpage.			
M	ore Info			

To switch this off, open Internet Explorer, go to "Tools", select "Internet Options", then go to the tab marked "Security":



For the "Internet" zone, click on the button marked "Custom level..." and a box showing all the properties that you can change will appear:

Security Sett	ings - Internet Zone		
Settings	amework se XAML Sisable Frompt 1. browser applications Sisable Frompt documents Sisable Frompt documents Sisable Frompt Adcuments Sisable Frompt Tamework-reliant component Sissons for components with		
Ŏ	Disable High Safety		~
<		- 1	>
Reset custom	ct after you restart Internet settings Medium-high (default)		R <u>e</u> set
		ОК	Cancel

Scroll down until you find one marked "Display mixed content". Change this from "Prompt" to "Enable". Now click on "OK", click "Yes" on the "Are you sure?" message, then click "OK" to close the Internet Options box.

You should no longer get these messages when loading the ENSAT registry web-pages.

## **Certificate installation – Mozilla Firefox**

To install the security certificate in the Firefox browser, select "Tools"  $\rightarrow$  "Options" and go to the "Advanced" tab.

Options							×
General	Tabs	Content	Applications	Privacy	Security	Sync	Advanced
General Ne	twork Up	date Encry					
Protocol							
100000000	s : SSL <u>3</u> .0		[	🗹 Use TLS	<u>1</u> .0		
◯ Seļe	server rec ect one aut	omatically	ersonal certificat	ery time			
View C	ertificate <u>s</u>	<u>R</u> evoca	tion Lists	alidation	Security	Devices	
			ſ	ок	Cance		Help
				VI			

Select "View Certificates" and go to the "Servers" tab

You have certificates on file	that identify these ser	vers:		
Certificate Name	Server	Lifetime	Expires On	E.
🖃 (Unknown)				~
(Not Stored) (Not Stored) DigiCert Inc	venus.nesc.gla.a www.pressor.org			
ssl.cdngc.net	www.statcounter	Permanent	1/02/2012	
addons.mozilla.org	*	Permanent	15/03/2014	
global trustee	*	Permanent	15/03/2014	
kuix.de	*	Permanent	17/04/2011	_
loain.live.com	*	Permanent	15/03/2014	~
∐iew ] Edit Trust.	Import	Export	Delete Add Exce	eption

Click on "Import..." and navigate to the file *ensat\_certfile.cer* (provided with account details). Now scroll down the list of available certificates and select the one marked "registry.ensat.org".

Click on "Edit trust..." and select "Trust the authenticity of this certificate on the next dialog box.



Click "OK" on all the remaining dialog boxes. The certificate will now be installed in the browser.

### **Certificate installation - Google Chrome**

For Google Chrome, select the menu option in the top-right of the browser (circled in red in the picture below), and select "Settings" from the menu that appears.



In settings, type "certificates" into the search option and press return. The section entitled "HTTPS/SSL" with the button "Manage certificates..." will be highlighted. Click on this button.

Search results	certificate ×
HTTPS/SSL	
Manage <mark>certificate</mark> s	

The certificate box shown in the first screenshot of the Internet Explorer section will then be shown. Follow the instructions as for Internet Explorer from here on, and the certificate will be installed.

### **Certificate installation - Safari**

Navigate to the secure ENSAT registry website. The browser will present a message warning that the connection is unsecured, and give the option to download the certificate into the browser, thereby setting up the trusted connection: *"Always trust "registry.ensat.org" when connecting to "registry.ensat.org"*. Select this box as shown in the screenshot below, and click "Continue". The certificate will be installed.

	Safari can't verify the identity of the website "registry.ensat.org". The certificate for this website is invalid. You might be connecting to a website that is pretending to be "registry.ensat.org", which could put your confidential information at risk. Would you like to connect to the website anyway?
🗹 Always trus	t "registry.ensat.org" when connecting to "registry.ensat.org"
🐻 registry.	ensat.org
	A
Certificate International Contraction	registry.ensat.org Self-signed root certificate Expires: Friday, 27 December 2019 20:11:32 Australia (Melbourne) I This root certificate is not trusted
► Trust ► Details	
?	(Hide Certificate Cancel Continue

Anthony Stell, University of Melbourne, 12<sup>th</sup>January 2014