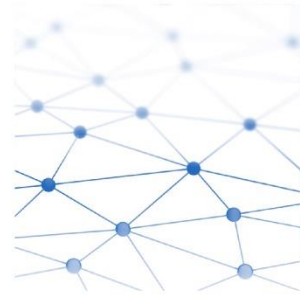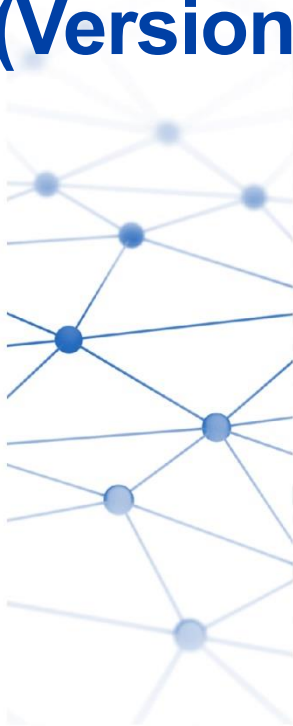# System Certification Guide For NEMS Systems Interfaces (Version 2.5)

Table of Contents

1 Introduction

1.1 Purpose and Scope

The purpose of this document is to provide the system and user access requirements to access the market systems. The scope of the interfaces are covered as follows,

- Access to the Public Website(Self-Registered Users)
- Access to Private Website (Registered Market Participants)
- Access to the Data Services for Automation
- Secure email communications

2 Market Systems Checklist

2.1 Access to Public Website (Self Registered Users)

Description	To allow users to access information published on the EMC Public Website.
Users	This can be accessed by any user.

Checklist All required tasks or actions to be completed by the user prior to this test	Y/N
End User System Requirement	
Is your PC installed with Windows Operating System (Windows 10 or latest)?	
Is your PC equipped with internet access?	
Are you using the below mention web browser? • Internet Explorer (version 11 and above)	
User Access Requirement	
Have you registered an account at EMC corporate website to access the Public section? https://www.emcsg.com (Click on "Register/Log in" button)	

Test Steps The main steps for this particular test		Y/N
1	Can the user access the EMC corporate website: https://www.emcsg.com from the configured PC?	
2	Are you able to logon successfully? If you have a registered account with EMC, you can logon to the "Log In" page after clicking the "Register/Login" button.	

2.2   Access to Private Website (Registered market participants)

Description	To allow registered market participants to access information published on the EMC Private Website.
Users	This can only be accessed by Registered market participants.

Checklist All required tasks or actions to be completed by the user prior to this test	Y/N
End User System Requirement	
Is your PC installed with Windows Operating System (Windows 10 or latest)?	
Is your PC equipped with internet access?	
Are you using the below mention web browser: • Internet Explorer (version 11 and above)	
User Access Requirement (Publications)	
Have you registered an account at EMC corporate website? https://www.emcsg.com (Click on "Register/Log in" button)	
Have you submitted the NEMS System Administration Form to EMC? The NEMS System Administration Form is available at https://www.emcsg.com/aboutthemarket/marketsystems (Only applicable to registered market participants with EMC)	
User Access Requirement (SEW Trading Portal)	
Have you registered an account at EMC corporate website? https://www.emcsg.com (Click on "Register/Log in" button)	
Have you submitted the NEMS System Administration Form to EMC? If not, the form is available at https://www.emcsg.com/aboutthemarket/marketsystems (Only applicable to registered market participants with EMC)	
Have you received the RSA token from EMC?	

Test Steps (Publications)		Y/N
The main steps for this particular test		
1	Can the user access the EMC corporate website: https://www.emcsg.com from the configured PC?	
2	Are you able to logon successfully? If you have registered account with EMC, you can logon to the "Log In" page after clicking the "Register/Login" button.	

3	Can the user access the following tabs: https://www.emcsg.com
	  1. Secure area
	  2. Publications	

Test Steps (SEW Trading Portal)		Y/N
The main steps for this particular test		
1	Can the user access the EMC corporate website: https://www.emcsg.com from the configured PC?	
2	Are you able to logon successfully? If you have registered account with EMC, you can logon to the "Log In" page after clicking the "Register/Login" button.	

3	Can the user access the Trading Information tab: https://www.emcsg.com
	  1. Login with User id and password
	  2. Click on Secure area
	  3. Under Secure area click on Trading Information	

4	Can the user access the following tabs: https://www.emcsg.com.
	  1. Market Clearing Report
	  2. Settlement Report
	  3. Advisories	

5	Can the user access the Submissions tab: https://www.emcsg.com.
	  1. Login with User id and password
	  2. Enter the Token number
	  3. Under Secure area click on the Submissions tab
	  4. Click to launch manually	

6	Can the user access the Publications tabs: https://www.emcsg.com:
	  1. Login with User id and password
	  2. Under Secure area click on the Publications tab	

7	Can the user access the following under the Publications tabs: https://www.emcsg.com:
	  1. Pricing and information
	  2. Settlement and Ancillary Services
	  3. Market Systems
	  4. Power System Operator (PSO) Data	

2.3   Access to Data Services for Automation

Description	To allow registered market participant's System to access Web services.
Users	This can only be accessed by registered market participants.

Checklist All required tasks or actions to be completed by the market participant prior to this test	Y/N
End User System Requirement	
Is your PC or Server equipped with internet access?	
User Access Requirement	
Have you submitted the NEMS System Administration Form to EMC? If not, the form is available at : https://www.emcsg.com/aboutthemarket/marketsystems (Only applicable to registered market participants with EMC)	
Are you issued with the logon system id and password by EMC?	
Have you submitted your company Public IP to EMC?	
Have you purchased a SSL client certificate with 2048bits which is issued by trusted Certificate Authority?	
Have you provided EMC the root CA certificate (*.cer file) from the client SSL certificate that you have purchased to ensure it is added into the CA trusted list at EMC Web server for the Web services interfaces?	

Test Steps The main steps for this particular test	Y/N
For Web services calls, it will require programming language used by MP to automate the web service parameters. Refer to details of all parameters for "Data Service Specifications Guide" which is available at: https://www.emcsg.com/securearea/publications/marketsystems	

2.4 Secure Email Communication

Description	To confirm that market participants are able to submit backup offers to the NEMS systems and send files to EMC Market Operations team through secure email communications.
Users	This can only be performed by Registered market participants.

| Checklist All required tasks or actions to be completed by the market participant prior to this test	Y/N
End User System Requirement	
Is your PC installed with Windows Operating System (Windows 10 or latest)?	
Is your PC equipped with internet access?	
Is your PC installed with Microsoft Outlook?	
User Access Requirement For Backup Offers to helpdesk@emcsg.com	
Do you have EMC helpdesk public key certificate? (*.cer file)?	
Have you configured your E-mail Client for sending secure e-mails to helpdesk@emcsg.com (as per the following installation instructions in Appendix A)?	
User Access Requirements For Sending Files to settdata@emcsg.com	
Do you have EMC Settdata Account public key certificate? (*.cer file)?	
Have you configured your E-mail Client for sending secure e-mails to settdata@emcsg.com (as per the following installation instructions in Appendix A)?	

| Test Steps		Y/N
Test Steps The main steps for this particular test		
1	Are you able to send an encrypted e-mail to the EMC helpdesk@emcsg.com account (containing a correctly formatted offer file)?	
2	Are you able to send an encrypted and signed e-mail to the EMC settdata@emcsg.com account	

Appendix A – Setup Secure Email

Set up EMC Helpdesk contact

To be able to send secure e-mails to EMC helpdesk, a contact must be set up in Outlook with an associated digital certificate.

Create a new contact for: helpdesk@emcsg.com
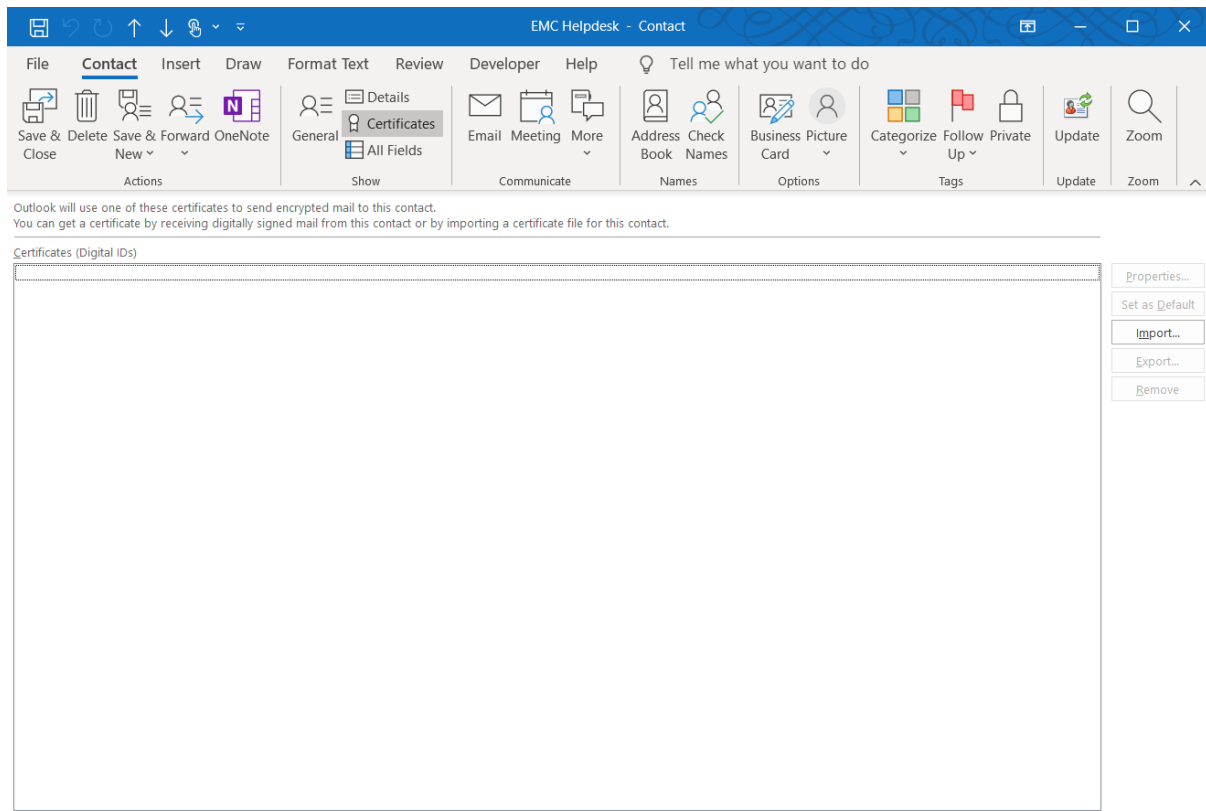
Click on the Certificates tab.
Click on [Import]
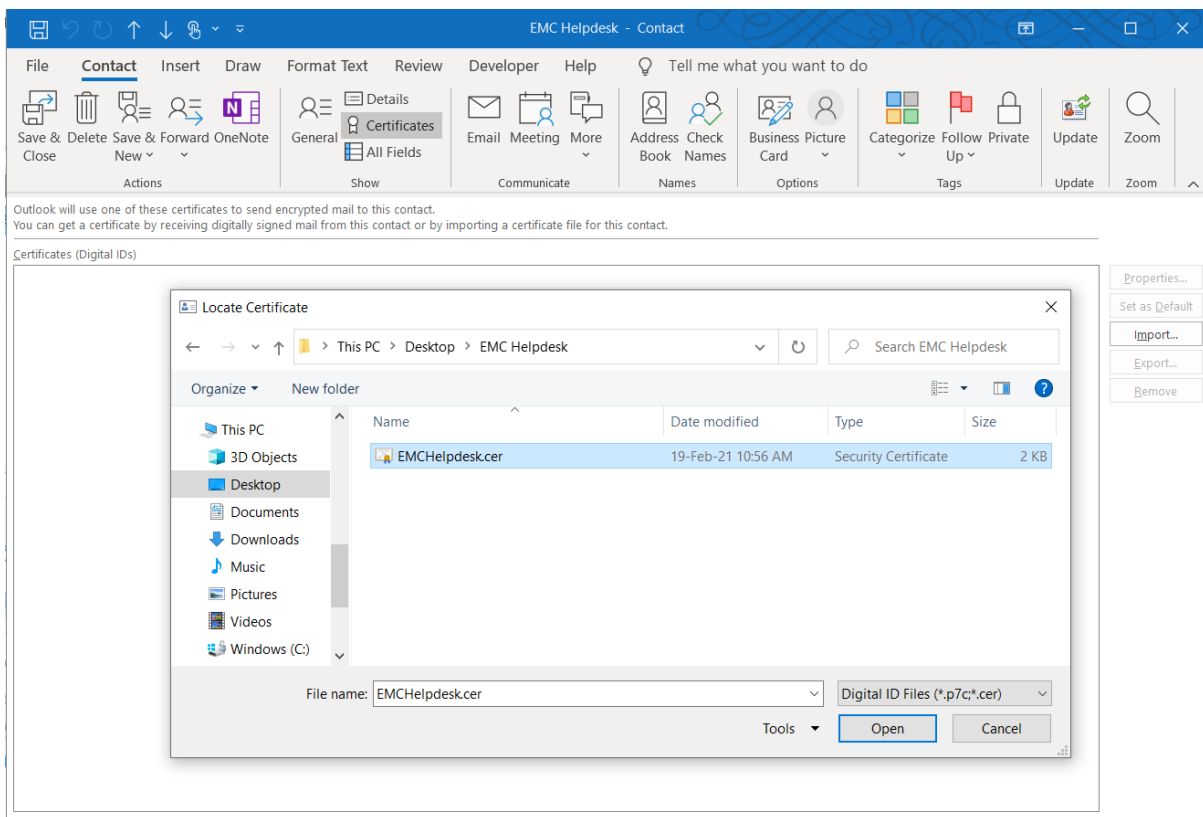
Select the *.cer file that was emailed by EMC (the Public certificate).
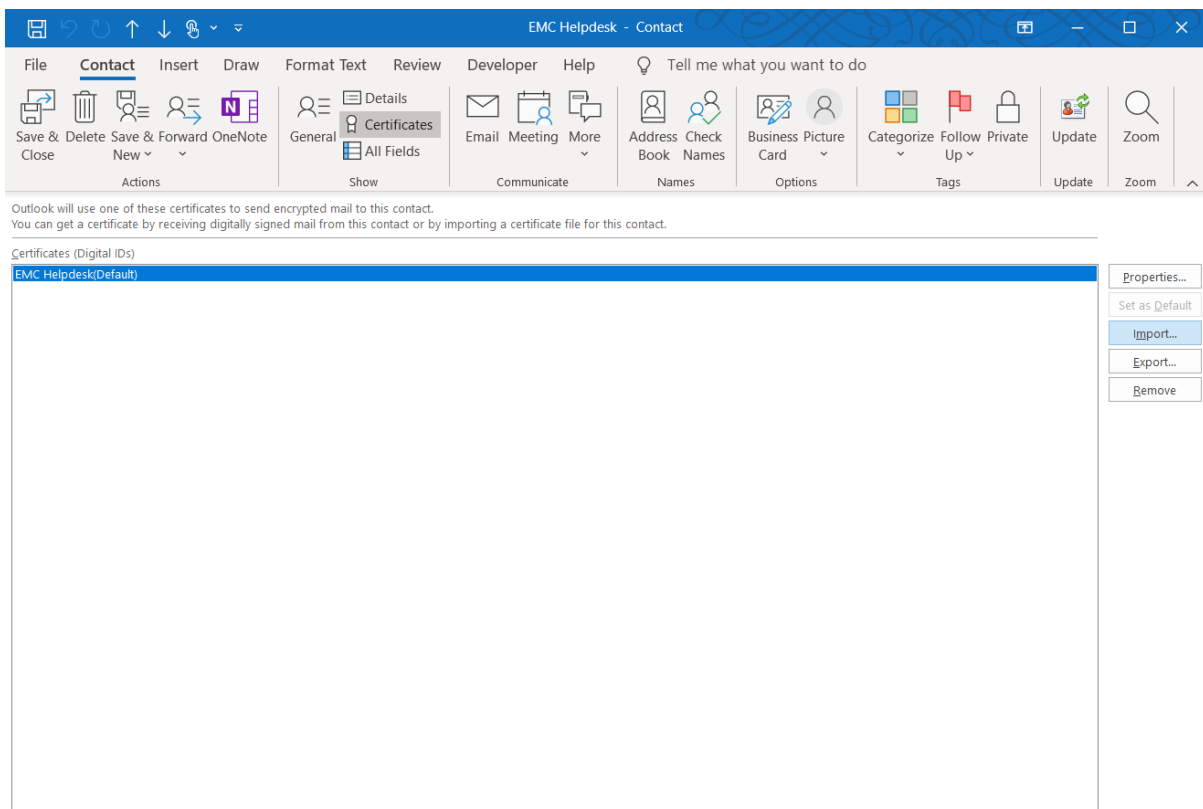
You should now see a certificate displayed for this contact.

Click on [Save & Close].

Send an Encrypted Email

Once the contact is created with the associated digital certificate, sending an encrypted e-mail is straightforward.

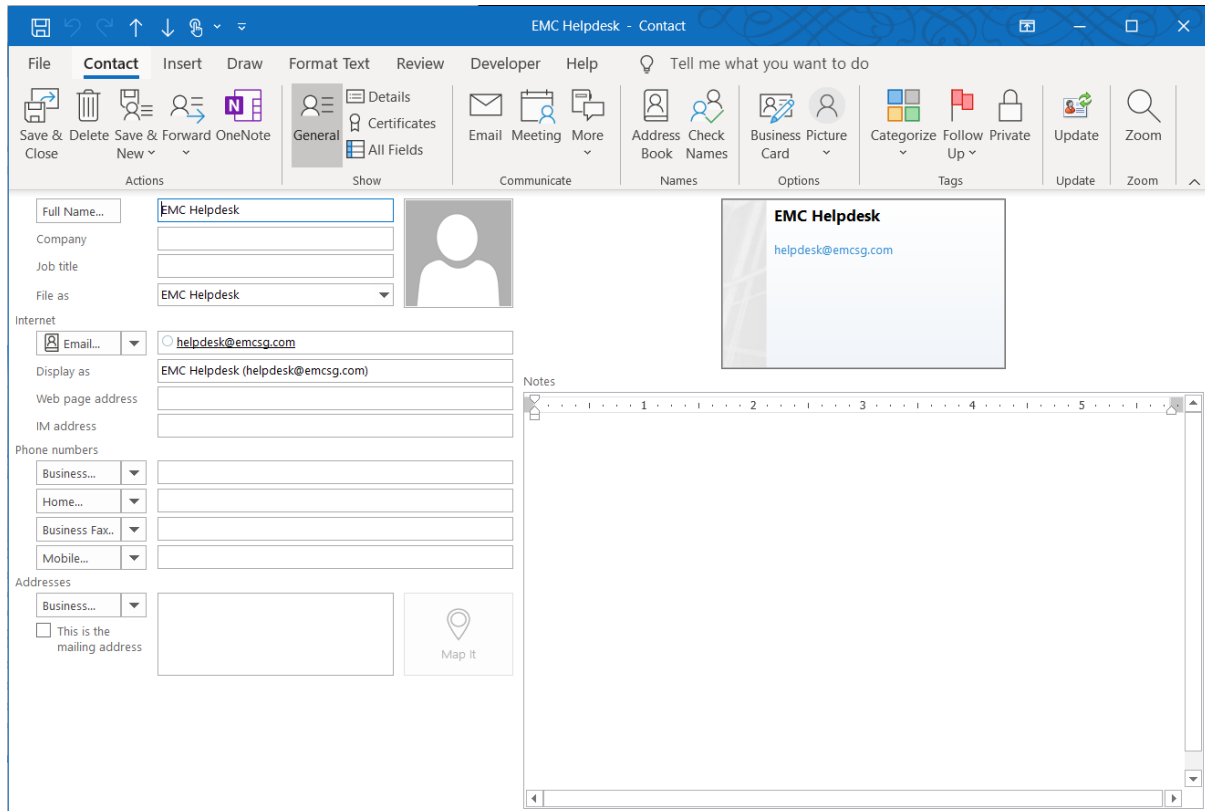Create a New E-mail Message to the contact created with associated digital certificate i.e. helpdesk@emcsg.com
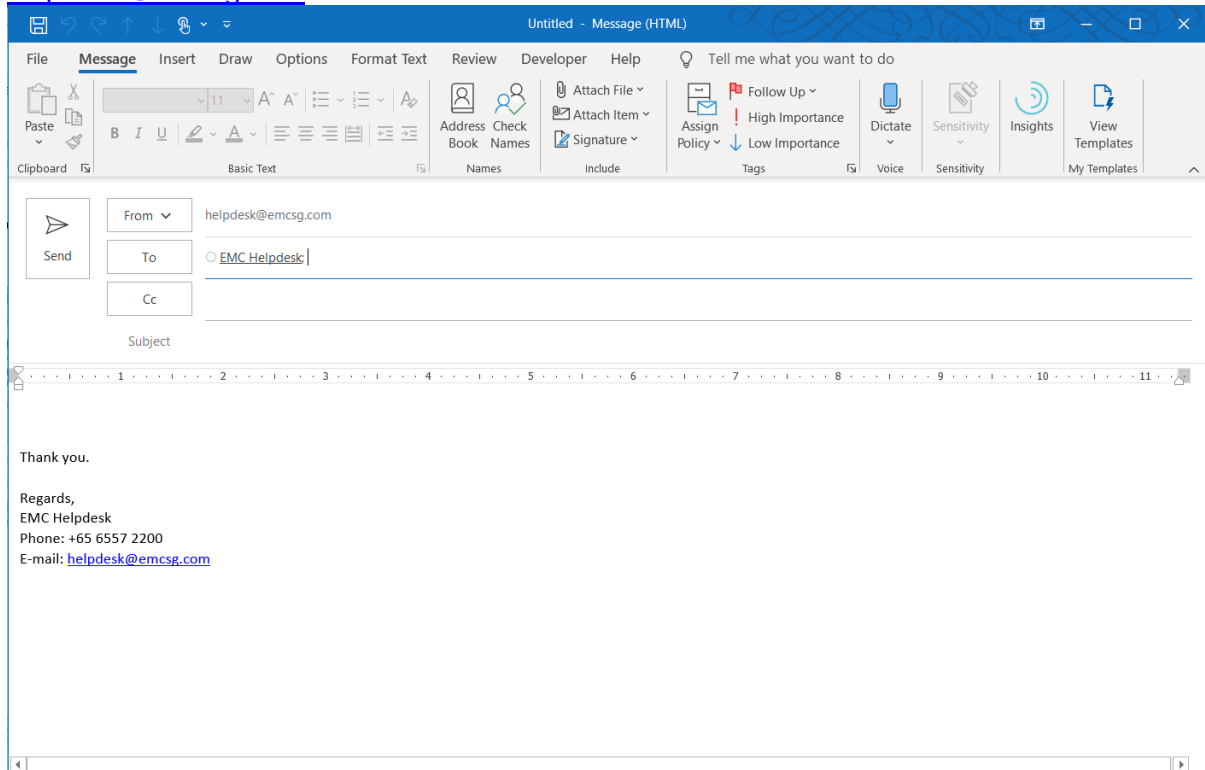
Once you are ready to send the message; click on [Option], follow by [Encrypt-Only].
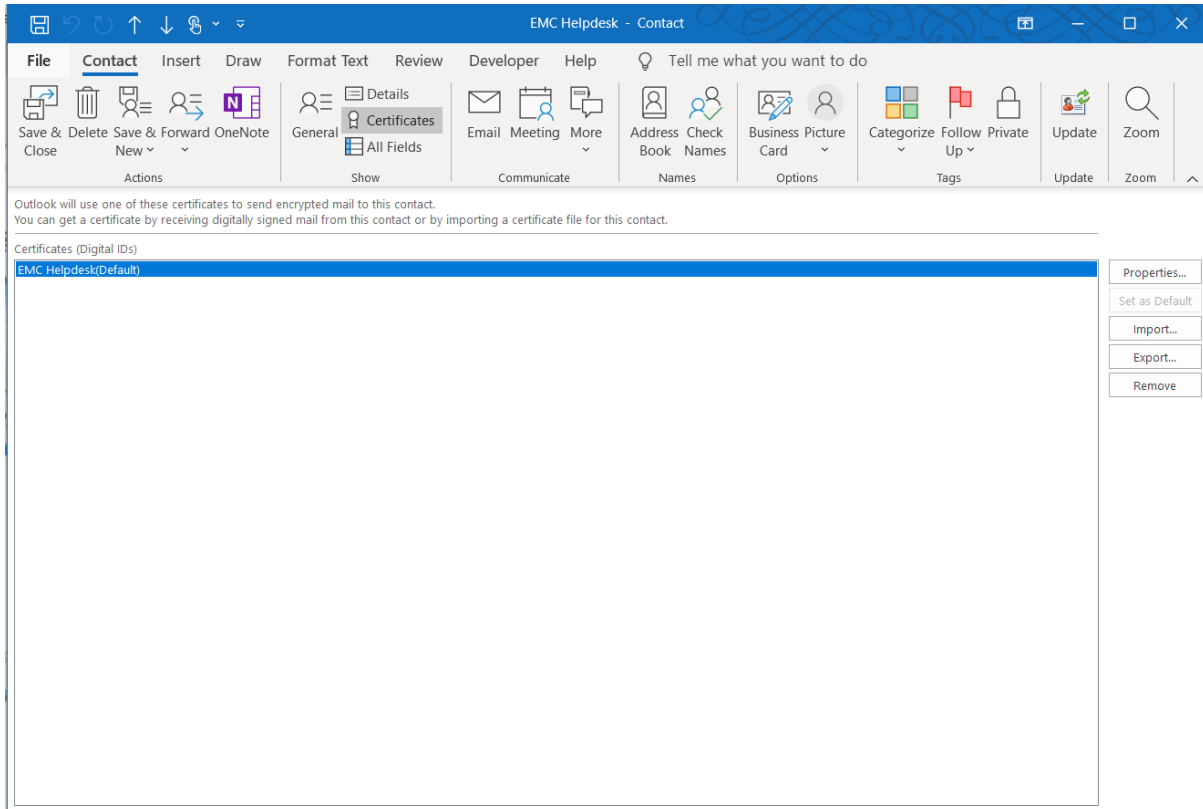Click [Send] to send the e-mail.
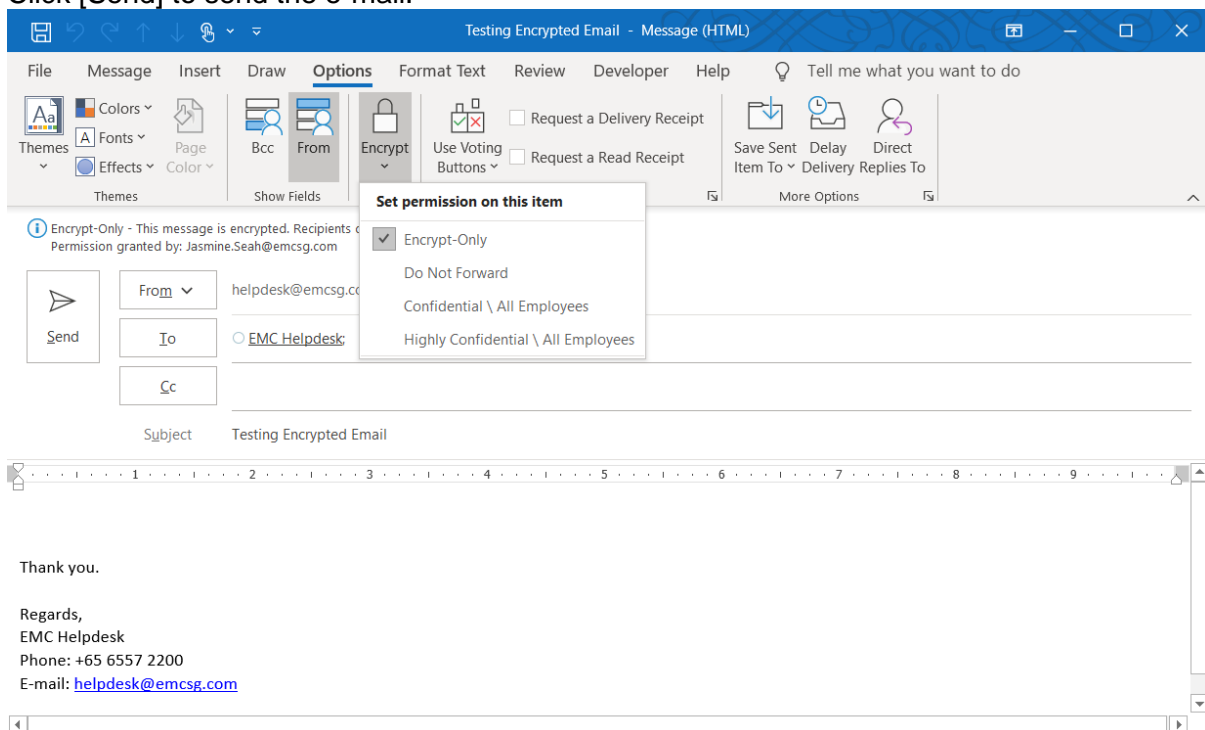
To change\replace the Helpdesk Certificate
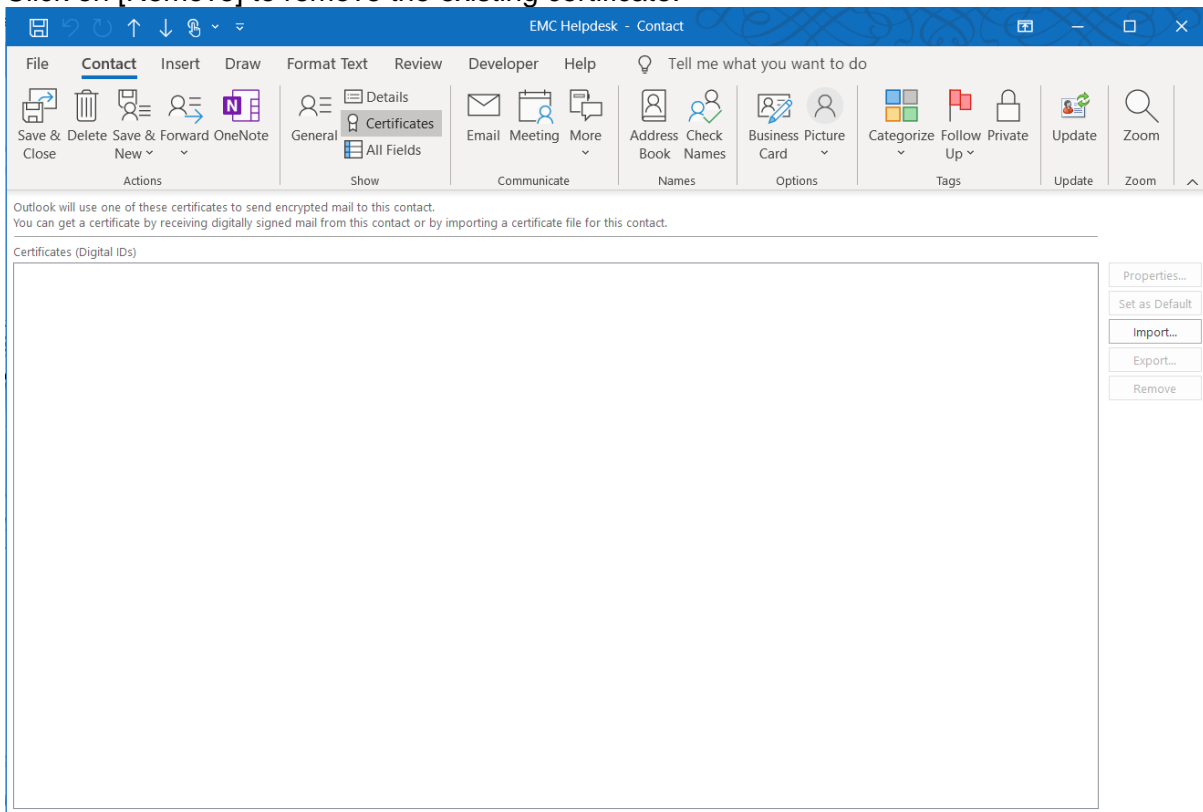
Go to the outlook contacts.

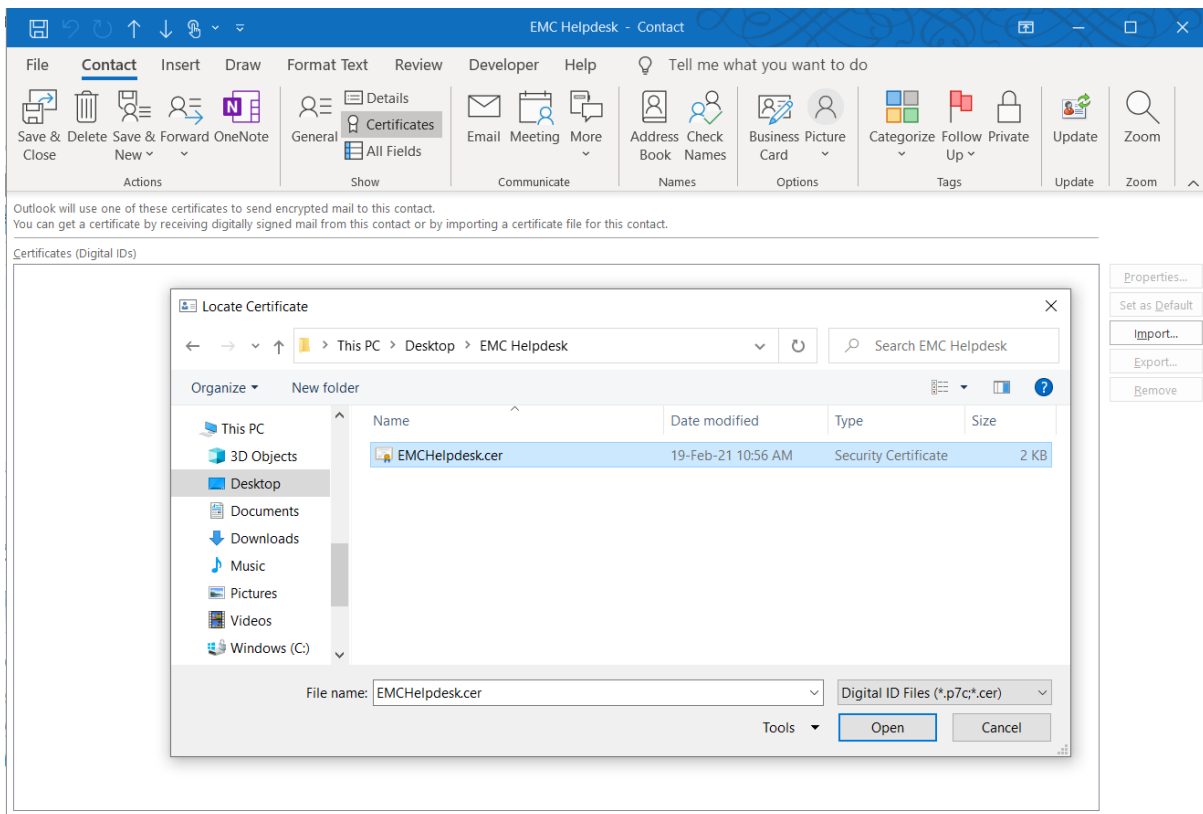Double click on the Helpdesk contact.

Click on the certificates.

Click on [Remove] to remove the existing certificate.

To associate the contact with the new certificate, click on [Import] and select the *.cer file that was e-mailed by EMC (the Public certificate).

Select [Save & Close], then send the test email.