Apple Mail Edition

Revisi	on History		
Rev.	Date (YYYY/MM/DD)	Description	Editor
V.1.0	2015/4/1	Sample edition	NII
V.1.1	2016/12/26	Amendment with addition of [NII Open Domain S/MIME CA] as a new Certificate Authority	NII
V2.0	2018/2/26	Supported environment update: Apple Mail 10 or later	NII

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1. Installing the S/MIME Certificate

1-1. Prerequisites

The prerequisites for using the S/MIME Certificate in Apple Mail are described. Replace the technical terms according to the user environment in which the S/MIME Certificate will be used. (The procedures required for Apple Mail 11.2 on macOS 10.13.3 (High Sierra) are described in this document.)

Prerequisites

- 1. The S/MIME Certificate has been installed in the operating system
- (described in the User's Manuals for Installation in Different Web Browsers: Safari/ Chrome/ Opera (macOS) Edition); and 2. Apple Mail 10 or later is installed.

1-2. Install Procedure

Installing the Certificate

1. If the S/MIME Certificate is installed in the OS, you do not have to install this certificate in the mailer.

2. Sending Digitally Signed E-mails

2-1. How to Send Digitally Signed E-mails

How to Send Digitally Signed E-mails

1. Select [File] > [New Message].

🗰 Mail	File	Edit	View	Mailbox	Mes	sage	Format	Window	Help
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and the second second	Sav	/e			ЖS				
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2. In the new message screen, focus on the digital signature icon to make sure that the signature is enabled.

•••		
To: mailuser@	•	
Cc:		
Subject: test		
test		Click to turn off digital signing for this messa
and the second state of the second state of the		The second secon

3. Click the Send icon when the message is complete.

•••		
To: mailuser@	· · · · · · · · · · · · · · · · · · ·	
Cc:		
Subject: test		2
test		

4. If you get the password prompt for the keychain and the access permission, enter the password used for the certificate install and select [Allow].

Mail wants to sign using key "privateKey" in your keychain. To allow this, enter the "login" keychain password.	n
Password:	_

Note: If [Always Allow] is selected, the keychain access prompt will not appear each time.

This completes sending digitally signed e-mails.

2-2. How to Confirm a Sent E-mail That Was Digitally Signed

How to Confirm a Sent E-mail That Was Digitally Signed

1. Select a sent e-mail that was digitally signed from the [Sent] folder.

• • •		Sent (1 message)		
			Q Se	arch
Mailboxes Inbox Sent Fla	gged Drafts 🗸			
Mailboxes Inbox Drafts Sent Trash Smart Mailboxes	Sort by Date ~ malluter@ test test	() 2:00	☆ mailuser test To: mailuser@t Security: ✿ Signed (mailuser)	2:00

2. Click on the [Signed] icon.



3. Make sure that the certificate is marked as trusted, and click [OK].

	0	
Certificate	mailuser Issued by: NII Open Domain S/MIME CA Expires: Wednesday, June 29, 2022 13:45:15 Japan Standard Time This certificate is valid	

This completes confirmation of a sent e-mail that was digitally signed.

3. Replacing the Expiring S/MIME Certificate with A New Valid One

The procedure to install an updated S/MIME is as follows.

3-1. Prerequisites

Replace the technical terms according to the user environment in which the S/MIME Certificate will be used. (The procedures required for Apple Mail 11.2 on macOS 10.13.3 (High Sierra) are described in this document.) Care must be fully used for a case that the S/MIME could be marked as expired (Note 1) even before the expiration unless this installation is performed.

Note 1: When a digitally signed e-mail is received by other MUAs than the Mac mail.app, it is known that the e-mail sent on the day before the certificate expiry could be marked as expired unexpectedly in some cases.

Prerequisites 1. An updated S/MIME certificate is installed in the operating system. (described in the User's Manuals for Installation in Different Web Browsers: Safari/ Chrome/ Opera (macOS) Edition); and 2. Apple Mail 10 or later is installed.

3-2. How to Install the Replacement

Procedure to Replace the Expiring Certificate

1. Select [Keychain Access] in the [Utilities] pane.

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- In the Keychain Access screen, select the old, expiring but currently used S/MIME Certificate from the certificate list, and press the [Delete] key on the keyboard.
 Note: Be sure to carefully check expirations before deleting so as not to select a new, updated S/MIME by mistake.

Keychains login Local Items System System Roots	Certificate Issued by: Expires: T © This certificate	r NII Open Domain S/MIME CA hursday, June 2, 2022 2:23:32 Pacific D tificate is valid	aylight Time	
	Name	Kind	 Expires 	Keychain
	🕨 📷 mailuser	certificate	Jun 2, 2022 2:23:	32 login
Category	🕨 📷 mailuser	certificate	Jun 28, 2022 21:4	5:15 login
All Items Passwords Secure Notes My Certificates Kevs				

3. Enter the keychain password and click [OK].

\bigcap	Keychain Access w keychain.	ants to use the "login"
	Please enter the keycha	ain password.
	Password:	

4. Reconfirm that you want to delete the old, expiring S/MIME Certificate, and click [Delete].



This completes replacing the expiring S/MIME Certificate with a new valid one.