

4.3 Technical setup

TECHS 8 RAP REGISTRATION AND MAINTENANCE FOR HKSCC OR HKCC / SEOCH OR SHARE REGISTRAR

WHEN TO USE:

- When a HKSCC, HKCC, SEOCH Participant or Share Registrar wishes to register or maintain Report Access Platform (RAP) User ID(s) through Client Connect.
- This eService is available 24 hours a day; except during regular system maintenance.

ABOUT THIS eSERVICE:

- This eService is available to Business Users granted with the access rights EU_TechnicalSetup.
- The eService is equivalent to “Registration Form for HKSCC Report Access Platform (RAP)” and Application Form for SFTP User IDs Report Retrieval Solution For Listed Derivatives Market”(DCASS-Form 15).
- Each HKSCC Clearing Participant is able to apply for 1 RAP user ID with 2 RAP client workstations (maximum 2 IP addresses); while HKCC/SEOCH Clearing Participant or Share Registrar can apply up to 2 RAP user IDs, each with 2 RAP client workstations (maximum 2 IP addresses).
- This eService is responsive to participant type such that the no. of RAP User ID and optional field displayed for input will be different.
- Email and Dashboard notifications will be sent to both maker and checker when there is change related to eService status.
- After the end of workflow, participants can download the form in PDF format for reference.

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SAMPLE UX:

Users can expand all sections to view all the fields.

The screenshot shows the top navigation bar with the user name 'um', last login '18-Nov-2020 17:28 HKT', date '28-Jul-2021', and weather '15°'. There are icons for search, notifications, language 'EN', and user profile. Below the navigation bar is a breadcrumb 'Home /' and two buttons: 'SAVE' and 'PREVIEW'. The main content area has a dark blue header with the text 'TECHS 8 RAP REGISTRATION AND MAINTENANCE FOR HKSCC OR HKCC / SEOCH OR SHARE REGISTRAR'. Below the header, there is a 'Reference Number:' field and a 'Status: Expand' button. The main content is divided into five horizontal sections, each with a plus sign on the right, indicating they are collapsed: 'COMPANY INFORMATION', 'MAINTENANCE REQUEST', 'INFORMATION', 'NEW REGISTRATION', and 'CONTACT INFORMATION'.

This screenshot shows the same interface as above, but with the 'COMPANY INFORMATION' section expanded. The 'Reference Number:' field and 'Status: Expand' button are still visible. The 'COMPANY INFORMATION' section now displays a minus sign on the right. Below this section, there is a 'From' field with the value 'XYZ'. Underneath, there is an 'As' label followed by three radio button options: 'HKSCC Participant (B00001)' (which is selected), 'HKCC Participant (CXYZ)', and 'SEOCH Participant (CXYZ)'.

Add RAP User ID(s):

MAINTENANCE REQUEST

Maintenance Request

- New Registration
- Maintenance

INFORMATION

Notes:

- Please refer to respective technical guides for technical details such as SSH keys standard, IP address requirement and key renewal procedure.
 - HKSCC: [HKSCC Report Access Platform \(RAP\) Technical Guide](#)
 - HKCC / SEOCH: [Report Retrieval Solution For Listed Derivatives Markets Technical Guide](#)
- Please DO NOT attach Private Keys for registration. Clearing Participants should keep their Private Keys confidential to prevent unauthorized usage.
- Clearing Participants must renew the public keys every two years.
- HKSCC RAP client workstations' IP addresses must be within the same subset of SDNet for HKSCC.

SDNet IP addresses subnet	
10.135.0.0/16	10.176.0.0/16
10.136.0.0/16	10.177.0.0/16
10.137.0.0/16	10.178.0.0/16
	10.179.0.0/16

- HKCC / SEOCH RAP client workstations' IP addresses have to begin with any of the first 2 segments listed below.

For HSN Sites	10.119.0.0/16	
For SDNet Site	172.18.0.0/16	10.131.0.0/16
	172.19.0.0/16	10.132.0.0/16
	172.20.0.0/16	10.133.0.0/16
	172.21.0.0/16	10.217.0.0/16

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➤ For HKSCC Clearing Participants:

NEW REGISTRATION -

RAP User ID

B00001001

RAP client workstations

Workstation	IP Address
Workstation 1	<input style="width: 95%;" type="text"/>
Workstation 2	<input style="width: 95%;" type="text"/>

SSH Public Key Fingerprint

SSH Public Key*

📁 UPLOAD

*The SSH public key file is saved with file format of (.pub)

[OPTIONAL] Subscription to RPF Folder, for retrieval of Risk Parameter Files only

Note: File downloading time will vary based on the bandwidth of your SDNet line. Please ensure you have adequate bandwidth when you subscribe to the RPF folder. You may refer to the RAP technical guide for the estimated download time for different SDNet lines. If necessary, please contact your network service provider for the cost of bandwidth upgrade required.

Remarks (To HKEX)

Type your answer here...

Declare that the information provided in this eService relating to us is complete, true and correct and that we have not made any statements or omissions which would render such information untrue or misleading.

We confirm that we understand and accept the above.

➤ For HKCC/SEOCH Clearing Participants or Share Registrar:

NEW REGISTRATION -

Please tick RAP User ID and input details.

RAP User ID

CMSA001

RAP client workstations

Workstation	IP Address
Workstation 1	<input style="width: 100%;" type="text"/>
Workstation 2	<input style="width: 100%;" type="text"/>

SSH Public Key Fingerprint

SSH Public Key*

UPLOAD

*The SSH public key file is saved with file format of (.pub)

RAP User ID

CMSA002

RAP client workstations

Workstation	IP Address
Workstation 1	<input style="width: 100%;" type="text"/>
Workstation 2	<input style="width: 100%;" type="text"/>

SSH Public Key Fingerprint

SSH Public Key*

UPLOAD

*The SSH public key file is saved with file format of (.pub)

Remarks (To HKEX)

Type your answer here...

Declare that the information provided in this eService relating to us is complete, true and correct and that we have not made any statements or omissions which would render such information untrue or misleading.

We confirm that we understand and accept the above.

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Maintain RAP User ID(s):

MAINTENANCE REQUEST

Maintenance Request

- New Registration
- Maintenance

➤ For HKSCC Clearing Participants:

MAINTENANCE

Please only update field(s) that change is/are required

RAP User ID		
<input checked="" type="checkbox"/> B00001001		
RAP client workstations		
Workstation	IP Address Change From	IP Address Change To
Workstation 1	<input type="text"/>	<input type="text"/>
Workstation 2	<input type="text"/>	<input type="text"/>
SSH Public Key Fingerprint		
<input type="text"/>		
SSH Public Key*		
<input type="button" value="UPLOAD"/>		
<small>*1) The SSH public key files are saved with file format of (.pub) 2) Self-renewal Service is available, request only when private key is being compromised</small>		
<input type="checkbox"/> [OPTIONAL] Subscription to RPF Folder, for retrieval of Risk Parameter Files only		
<small>Note: File downloading time will vary based on the bandwidth of your SDNet line. Please ensure you have adequate bandwidth when you subscribe to the RPF folder. You may refer to the RAP technical guide for the estimated download time for different SDNet lines. If necessary, please contact your network service provider for the cost of bandwidth upgrade required.</small>		

Remarks (To HKEX)

Type your answer here...

Declare that the information provided in this eService relating to us is complete, true and correct and that we have not made any statements or omissions which would render such information untrue or misleading.

We confirm that we understand and accept the above.

➤ For HKCC/ SEOCH Clearing Participants or Share Registrar:

MAINTENANCE -

Please only update field(s) that change is/are required

Please tick RAP User ID and input change details.

RAP User ID

CMSA001

RAP client workstations

Workstation	IP Address Change From	IP Address Change To
Workstation 1	<input type="text"/>	<input type="text"/>
Workstation 2	<input type="text"/>	<input type="text"/>

SSH Public Key Fingerprint

SSH Public Key*

*1: The SSH public key files are saved with file format of (.pub)
2) Self renewal Service is available, request only when private key is being compromised

RAP User ID

CMSA002

RAP client workstations

Workstation	IP Address Change From	IP Address Change To
Workstation 1	<input type="text"/>	<input type="text"/>
Workstation 2	<input type="text"/>	<input type="text"/>

SSH Public Key Fingerprint

SSH Public Key*

*1: The SSH public key files are saved with file format of (.pub)
2) Self renewal Service is available, request only when private key is being compromised

Remarks (To HKEX)

Declare that the information provided in this eService relating to us is complete, true and correct and that we have not made any statements or omissions which would render such information untrue or misleading.

We confirm that we understand and accept the above.

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CONTACT INFORMATION –

Name of Contact Person

Email Address

Telephone Number

+ CONTACT PERSON

FIELDS HIGHLIGHTS:

#	Field Name	Highlights
COMPANY INFORMATION		
1	From	- Display the company name on behalf of which the maker is acting.
2	As	- Applicable to HKSCC or HKCC / SEOCH Participant or Share Registrar
MAINTENANCE REQUEST		
3	Maintenance Request <input type="radio"/> New Registration <input type="radio"/> Maintenance	- Maker can tick New Registration or Maintenance
NEW REGISTRATION		
<ul style="list-style-type: none"> - All fields for User ID 001 are mandatory unless specified. - User ID 002 is applicable to and optional for HKCC / SEOCH Participant or Share Registrar. If tick, all fields are mandatory unless specified. 		
User ID 001		
4	RAP User ID - 001	<ul style="list-style-type: none"> - Field format: Checkbox - Autofill "Participant ID + "001" (e.g. display of Xnnnnn001 for HKSCC and CXXX001 for HKCC / SEOCH, RXX001 for Share Registrar).
User ID 001 - RAP client workstations		
5	IP Address 1	- Field format: Positive integer/IP address
6	IP Address 2 (optional)	<ul style="list-style-type: none"> - Field format: Positive integer/IP address - Optional Field
7	SSH Public Key Fingerprint	- Field format: Alphanumeric/Public Key
8	UPLOAD	- Upload SSH public key file in .pub format
9	[OPTIONAL] Subscription to RPF Folder, for retrieval of Risk Parameter Files only	<ul style="list-style-type: none"> - Optional Checkbox - Only populate for HKSCC Participant
10	Remarks (To HKEX)	<ul style="list-style-type: none"> - Field format: Free text - Optional Input
11	Declaration Box	- Mandatory Checkbox
User ID 002 (applicable to and optional for HKCC / SEOCH Participant or Share Registrar)		
- Same as #4-11		
MAINTENANCE		
<p>If User ID 001 or 002 is ticked, user is allowed to input changes to any or all of the following:</p> <ul style="list-style-type: none"> - "IP Address Change From" and "IP Address Change To" (both with input, only "Change To" with input or leave both blank) - SSH Public Key Fingerprint and SSH public key file (either both with input or leave both blank) 		
User ID 001		
12	RAP User ID - 001	<ul style="list-style-type: none"> - Field format: Checkbox - Autofill "Participant ID + "001" (e.g. display of Xnnnnn001 for HKSCC and CXXX001 for HKCC / SEOCH, RXX001 for Share Registrar). - If tick, at least one change is required
User ID 001 - RAP client workstations		
13	IP Address Change From	- Field format: Positive integer/IP address
14	IP Address Change To	- Field format: Positive integer/IP address
15	SSH Public Key Fingerprint	- Field format: Alphanumeric/Public Key
16	UPLOAD	- Upload SSH public key file in .pub format
17	[OPTIONAL] Subscription to RPF Folder, for retrieval of Risk Parameter Files only	<ul style="list-style-type: none"> - Field format: Check Box - Only populate for HKSCC Participant
18	Remarks (To HKEX)	<ul style="list-style-type: none"> - Field format: Free text - Optional Field
19	Declaration Box	- Mandatory Checkbox
User ID 002 (applicable to and optional for HKCC / SEOCH Participant or Share Registrar if User ID 002 exists)		

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#	Field Name	Highlights
-	Same as #12-19	
CONTACT INFORMATION		
20	Name of Contact Person	<ul style="list-style-type: none">- Auto-filled based on maker's profile and content is editable.- Maker can optionally provide up to 5 contact information.- If group email is defined, fill in group email instead of maker's email- Built-in validation: Only on the format of email address and telephone number but not on data correctness
21	Email Address	
22	Telephone Number	
23	+ CONTACT PERSON	