



SPP INTERCONNECTION MANAGEMENT SYSTEM

FAQ

By SPP Generator Interconnection

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REVISION HISTORY

DATE OR VERSION NUMBER	AUTHOR	CHANGE DESCRIPTION	COMMENTS
09/13/2024	Generator Interconnection Staff	Initial Draft	
09/20/2024	Generator Interconnection Staff	Updated status on defects table	
09/26/2024	Generator Interconnection Staff	Added questions to FAQs section	
10/1/2024	Generator Interconnection Staff	Added questions and updated contact information	
10/9/2024	Generator Interconnection Staff	Added questions and updated defects table	
10/11/2024	Generator Interconnection Staff	Added questions and updated defects table	

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OVERVIEW

The SPP Interconnection Management System (SIMS) is how Interconnection Customers will submit applications for Definitive Interconnection System Impact Study (DISIS) or Special Studies. Applications will be reviewed and any deficiencies identified will be communicated through the tool. Upon notification of deficiencies, Interconnection Customers will update applications and resubmit for competition review. Once all deficiencies are resolved, the application is accepted, a queue position number is assigned and entered into the GI queue.

SIMS went into production on September 4, 2024. This document is to provide information regarding frequently asked questions, known defects, and troubleshooting tips for common issues.

SIMS URL: <https://sims.spp.org/login>

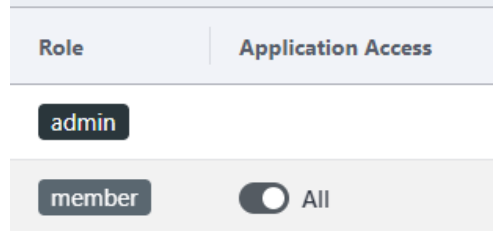
FREQUENTLY ASKED QUESTIONS

USER ACCESS AND COMPANY REGISTRATION

1. Is there a user role for consultants to be able to assist developers with interconnection requests?
 - a. No, at this time there is not a specific role for consultants. The vendor is discussing adding that type of feature; there is no timeline for its development currently.
2. Can supporting users (such as consultants) be added to the developers Company?
 - a. Yes, supporting users can be added to the Company if approved by the Company Admin.
3. Can a user register/join more than one Company?
 - a. No, a user profile can only be associated with one company.
4. Can a parent company submit applications under different entities?

Yes, user would register the parent company and then list the subsidiary as the Applicant Company on the application. Applicant Company is considered the Interconnection Customer on the agreement.

5. Is my login the same as the login for spp.org?
 - a. No, a new user and password must be set up for SIMS.
6. Should all users of a company be able to see all applications entered by users of that company?
 - a. It depends on the permissions given to the user. The admin of the company can provision access to all applications or only to the applications entered by that user using the toggle under Application Access in the Company profile. "All" means the user can see all applications initiated by other users of the company. "Personal" is only the applications the user personally initiates.



- b. There was a defect that prevented access to all company applications. A fix was implemented on 10/7. However, the fix only pertains to newly initiated applications. Any applications that were initiated prior to 10/7 will only be viewable to the user that started the application. Currently, the quickest remedy is to cancel the application that was initiated prior to 10/7 and start a new one. That will ensure the application is associated with that company. It is also important to note that a user must register/join a company for the application to be viewable by other users in that company.
7. Does a company need to be approved prior to starting an application?
 - a. Yes, for the application to be associated with that company (and therefore viewable by other members or admins of that company) the user must register or join a company, and that company must be approved by SPP. When registering a company, a notification will be received when it is approved.

DATA FIELD QUESTIONS

1. What is meant by Main Generator Step Up and Pad Mount Transformer sections?

- a. The section listed as Main Generator Step Up Transformer is for the generator step up (GSU) transformer data. The Pad Mount Transformer section is for the main power transformer (MPT) data. A ticket was entered to update those headers to reduce confusion.
2. If there are two main power transformers with the same data, should both be entered?
 - a. Yes. To assist in modeling the request accurately, it is preferred that separate data for each transformer is entered.
3. Should GSU data be entered per transformer or aggregated?
 - a. GSU data should be aggregated for each GSU type feeding into an MPT. Example: 12 inverter type A and 15 inverter type B feed into MPT 1. How transformer data is entered should match the one-line diagram.
4. What is expected in the Generator Side Voltage Ratio and System Side Voltage Ratio fields?
 - a. The ratios are on a per unit measurement. This typically will be 1 unless the voltage schedule at the substation is higher than the nominal, e.g. 1.03 pu.
5. What is the difference between Nominal Terminal Voltage (kv) and Voltage (kv)?
 - a. Nominal Terminal Voltage is the standard or rated voltage specified by the manufacturer under normal operating conditions. Voltage would be the level at which the generator will be operated.
6. What is expected in the Tap Ratio Range fields?
 - a. The unit on the tap ratio range field is % so the number of the percentage can be entered. For example, 33 Fixed Taps Available usually has a +/-10% Tap Ratio Range $0.1/16 = 0.00625$ ratio step size. Since the tap ratio range field only accepts numbers, it can be entered as "10" in this example.

REQUIRED DOCUMENTS

1. Is a completed Appendix 3 Attachment A, B, C form still required?
 - a. A signed Appendix 3 is required to meet the executed study agreement requirement. The document can be uploaded to one of the Operating Agreement spaces. The document is located here: <https://opsportal.spp.org/documents/studies/Appendix%203%20Only.pdf>. Completed Attachment A, B, C forms are not required; the data input in the SIMS application meets the data requirements. Upon acceptance, an Appendix 3

Attachment A, B, C document is generated for your records populating the fields from the SIMS application.

2. Is a Credit and Security Agreement (CSA) required?
 - a. Yes, a CSA is required for every interconnection application. Currently, there is not a dedicated spot for upload (SATP-6). Document can be uploaded in one of the Operating Agreement spaces. The document is located here:
<https://opsportal.spp.org/documents/studies/sppcreditsecurityagreement.pdf>
3. Where should I upload the collector system data?
 - a. It can be included in the zip file with the model data.

PAYMENT INFORMATION QUESTIONS

1. If deposit is made in cash and securities in LOC, which button is chosen?
 - a. Currently the system only allows one selection. This is an outstanding issue (SATP-6). Since all deposits must be in cash, please select LOC so that you are prompted to upload a copy of the LOC.
2. Which company information is put in the Banking Information section?
 - a. The company name, tax reporting name, tax id, etc. should refer to the applicant company.
3. Should the LOC be sent to SPP ahead of time for review?
 - a. Yes, a draft LOC should be sent to Peyton Greenwald (pgreenwald@spp.org) and Mitch Jackson (mjackson@spp.org) to be approved. The template is found here:
<https://opsportal.spp.org/documents/studies/SPP%20Letter%20of%20Credit%20Template.pdf>.
4. What if we do not have site control of the gen tie line and are utilizing the security in lieu of gen tie site control option?
 - a. Please include a document in the site control zip file specifying the length of the gen tie and the amount of securities that will be provided. An enhancement to include fields for security in lieu of site control has been requested (SATP-33).

KNOWN DEFECTS AND REQUESTED ENHANCEMENTS

The table below is all the open defects and enhancement requests as of the posting of this document. This list will be updated on a weekly basis.

ISSUE ID	DESCRIPTION	WORKAROUND	STATUS
SATP-6	Updates to Payment Information section	Select LOC if applicable; upload Credit Security Agreement in Operating Agreement attachment field; leave comment if paying security in lieu of gen tie site control	In Review
SATP-9	Add text field for shared interconnection facilities	Use Consent Agreement upload field to attach information on shared facilities.	Queued
SATP-19	Study agreement document generated upon submission	Upload Appendix 3 Study Agreement with signature at time of application. Use an Operating Agreement upload field.	Queued
SATP-21	Site map upload to allow zip, KML, KMZ	Add documents to a zip file upload.	In Review
SATP-22	Register one user to multiple companies	Multiple user accounts using different emails	In Review
SATP-23	Changes to existing service requirements on surplus and replacement types	Use comment section or file upload if existing fields are not sufficient or additional information is required.	In Review
SATP-25	Time in comments field is incorrect	None	Queued
SATP-27	Tie line data not pulling correctly on the agreement document	Update document manually.	Queued

SATP-29	Update Interconnection Customer on App 3 document	Update document manually.	Queued
SATP-30	SEI Line Charging field not pulled onto App 3 document	Update document manually.	Queued
SATP-31	Make facility address and POI address optional fields	Enter closest known address.	In Review
SATP-32	Winter temperature pop up on installed generating facility capacity says summer	None	Queued
SATP-33	Add fields for site control of gen tie line and security for tie line	Provide tie line site control in zip with facility site control; leave comment if paying security in lieu of gen tie site control.	In Review
SPSD-1	Change to Main GSU Transformer and Pad Mount Transformer section headers	Main GSU = Generator Step up Pad Mount = Main Power Transformer	In Review
SPSD-2	Add upload for collector system impedance	Add excel sheet to a zip file upload.	In Review
SPSD-5	Comment box not visible to certain User roles	Add document with comments to file upload.	Queued
SPSD-6	Users are not able to access all company applications even when provisioned by admin	Fixed	Implemented in PROD 10/7. Please note, the fix only pertains to newly initiated applications. Any applications that were started prior to 10/7 will

			only be viewable to the user that started the application. Currently, the quickest remedy is to cancel the application that was initiated prior to 10/7 and start a new one.
SPSD-7	Allow a user to save progress on page without submitting	None	In Review
SPSD-14	Upload errors on Documentation and Legal Information Page when MW amount included a decimal	Fixed	Fix implemented in PROD 10/11/2024
SPSD-20	Longitude field is only accepting 2 decimals	None	In Review
SPSD-21	Request to add banner to the UAT environment stating it is a test environment and redirect to production for application submission	Only use testing environment for testing. Applications must be submitted in production environment: https://sims.spp.org/login	In Review

TROUBLESHOOTING

This section contains errors that users have encountered and the resolution to assist others who may experience the same issues.

ISSUE	SOLUTION
Error when submitting application with no field validation pop-up to indicate what caused error	Review application and look for any special characters. For example, underscores before a number.
Error when saving and continuing from the Documentation and Legal Information page	Delete all uploads, re-upload, and submit.
Error when attempting to log in after requesting to join a company	Have company admin approve your request to join.

CONTACT INFORMATION

For questions, systems errors, or requests for enhancements, please provide details through [SPP Request Management System](#) (RMS) by selecting "Submit an Inquiry" from the **Request Template** dropdown menu, then select "Technical Support" as the **Request Type** and "SIMS" from the **Subtype 1** dropdown menu.

Submit Request

Request Template:	<input type="text" value="Submit an Inquiry"/>	▼
* Class:	<input type="text" value="Engineering"/>	▼
Request Status:	<input type="text" value="Open"/>	▼
* Request Type:	<input type="text" value="Technical Support"/>	▼
* Subtype 1:	<input type="text" value="SIMS"/>	▼