## SCHEDULING COORDINATOR APPLICATION PROTOCOL

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SCAP 1	OBJECTIVE, DEFINITION AND SCOPE
SCAP 1.1	Objective
	The objective of the SCAP is to inform an SC Applicant of the actions it must take and information it must provide to become an approved Scheduling Coordinator (SC). The SCAP also describe the actions the ISO will take to evaluate a submitted application.
SCAP 1.2	Definitions
SCAP 1.2.1	Master Definitions Supplement
	Any word or expression defined in the Master Definitions Supplement to the ISO Tariff shall have the same meaning where used in this Protocol. A reference to a Section or an Appendix ref to a Section or an Appendix of the ISO Tariff unless otherwise indicated. References to SCAP are to this Protocol or to the state paragraph of this Protocol.
SCAP 1.2.2	Special Terms for this Protocol
	In this Protocol, the following words and expressions shall have th meaning set forth below:
	"Electronic Data Interchange" (EDI) means the routine exchange of business documented on electronic media such as purchase orders, invoices and remittance. The format of the data is based on an industry approved format such as those published by the ANSI ASC X12 committee.
	<b>"ISO Application File Template"</b> means all information (administrative, financial and technical) pertaining to Scheduling Coordinators which must be maintained in a current form by the ISO and the Scheduling Coordinator.
	"ISO Home Page" means the ISO Internet home page at http://www.caiso.com/iso or such other address as the ISO shall publish from time to time.
	<b>"ISO Metered Entity"</b> means (a) any one of the following entities that is directly connected to the ISO Controlled Grid: (i) Generator other than a Generator that sells all of its Energy (excluding any Energy consumed by auxiliary load equipment electrically connected to that Generator at the same point), and Ancillary Services to the UDC in whose Service Area it is located; (ii) an

	Eligible Customer; or (iii) an End User other than an End User that purchases all of its Energy from the UDC in whose Service Area it is located; and (b) any one of the following entities: (i) a Participating Generator; or (ii) a Participating TO in relation to its Tie Point Meters with other TOs or Control Areas.		
		<b>pplicant</b> " means an entity which has submitted or is nplating submitting an application to become a SC.	
	"SC Customer" means a customer of the SC Applicant or a Scheduling Coordinator for whom the SC provides services relevant to the ISO Controlled Grid.		
		<b>letered Entity</b> " means a Generator, Eligible Customer or ser that is not an ISO Metered Entity.	
	data d checki limits a Editing by usir	lation, Estimation and Editing" (VEE) applies to meter irectly acquired by the ISO. Validation is the process of ng the data to ensure that it is contiguous, within pre-defined and has not been flagged by the meter. Estimation and g is the process of replacing or making complete meter data ng data from redundant meters, schedules, PMS or, if sary, statistical estimation.	
	"Value	e Added Network" (VAN) means a data communications	
	delive	e provider that provides, stores and forwards electronic data ry services within its network and to subscribers on other The data is mostly EDI type messages.	
SCAP 1.2.3	delive VANs.	e provider that provides, stores and forwards electronic data ry services within its network and to subscribers on other	
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SCAP 1.2.3	deliver VANs. <b>Rules</b> (a)	<ul> <li>e provider that provides, stores and forwards electronic data ry services within its network and to subscribers on other The data is mostly EDI type messages.</li> <li>of Interpretation If the provisions of this Protocol and the ISO Tariff conflict, the ISO Tariff will prevail to the extent of the inconsistency. The provisions of the ISO Tariff have been summarized or repeated in this Protocol only to aid understanding. A reference to a given agreement, ISO Protocol or instrument shall be a reference to that agreement or instrument as modified, amended, supplemented or restated through the date as of which such reference is</li></ul>	

SCAP 1.3	Scope		
SCAP 1.3.1	Scope of Application to PartiesThe SCAP will apply to:(a)Scheduling Coordinator Applicants;(b)Scheduling Coordinators; and(c)the ISO.		
SCAP 1.3.2	Liability of the ISO Any liability of the ISO arising out of or in relation to this Protocol shall be subject to Section 14 of the ISO Tariff as if references to the ISO Tariff were references to this Protocol.		
SCAP 2	PROCEDURE TO BECOME A SCHEDULING COORDINATOR		
SCAP 2.1	<b>SC Applicant makes a Request</b> To become a Scheduling Coordinator, an SC Applicant must submit a written request for an application and other necessary information to the ISO by mail, fax, e-mail or in person. Alternatively, an SC Applicant may retrieve the application and necessary information from the ISO Home Page.		
SCAP 2.2	<ul> <li>ISO Information</li> <li>The ISO will provide the following information, in its most current form, on the ISO Home Page. Upon a request by an SC Applicant, the ISO will send the following information by mail: <ul> <li>(a) the SC Application Form (including the ISO Application File Template which is Appendix C);</li> <li>(b) the ISO Tariff and ISO Protocols;</li> <li>(c) pro forma meter service agreements and interim black start agreement;</li> <li>(d) historical ISO charges (Note: prior to January 2, 1998, estimated ISO charges) including, but not limited to, charges for purchased Ancillary Services, ISO Grid Management charge, ISO Grid Operations charge, Imbalance Energy market charges, and Usage charges to assist the SC Applicant in determining the ISO Security Amount the SC Applicant must provide; and</li> </ul> </li> <li>(e) a pro forma letter of understanding for payment for SC Applicants with Approved Credit Ratings, guarantee, letter</li> </ul>		

		of credit and escrow agreement for the ISO Security Amount, all of which will be in a form acceptable to the ISO.		
SCAP 2.3	Dupli	Duplicate Information		
	for a s SC ap an ISC ISO w may r and th attem send t	or more SCs apply simultaneously to register with the ISO single meter or Meter Point for an ISO Metered Entity or if an oplies to register with the ISO for a meter or Meter Point for D Metered Entity for which an SC has already registered, the rill return the application with an explanation that only one SC egister with the ISO for the meter or Meter Point in question hat an SC has already registered or that more than one SC is pting to register for that meter or Meter Point. The ISO will the SC Applicant the name and address of the applicable SC Applicant.		
SCAP 2.4	SC Ap	oplicant returns Application		
	the SC prescr	st 60 days before the proposed commencement of service, C Applicant must return a completed application form with the ribed non-refundable application fee to cover the application ssing costs, site visit and the costs of furnishing the ISO S.		
SCAP 2.5	Notice	e of Receipt		
	send a	a 3 business days of receiving the application, the ISO will a written notification to the SC Applicant that it has received oplication and the non-refundable fee.		
SCAP 2.6	ISO R	eview of Application		
	the SC neces	a 14 days after receiving an application, the ISO will notify C Applicant whether the SC Applicant has submitted all sary information as set forth in ISO Tariff Sections 2.2.3 and and the ISO Application File Template requirements.		
SCAP 2.6.1	Inform	nation Requirements		
	The S	C Applicant must submit with its application:		
	(a)	the proposed date for commencement of service which may not be less than 60 days after the date the application was filed, unless waived by the ISO;		
	(b)	financial and security information as set forth in ISO Tariff Section 2.2.3.2; and		
	(c)	the prescribed non-refundable application fee.		

SCAP 2.6.2	SC Applicant's Obligation for Contracts	
	An SC Applicant must certify that it is duly authorized to repre- the Generators and Loads which are its SC Customers and m further certify that:	
	(a)	represented Generators have entered into participating generator agreements with the ISO;
	(b)	represented UDCs have entered into UDC agreements with the ISO;
	(c)	represented ISO Metered Entities have entered into meter service agreements with the ISO;
	(d)	none of the Wholesale Customers it will represent are ineligible for wholesale transmission service pursuant to the provisions of the FPA Section 212(h);
	(e)	each End-Use Customer it will represent is eligible for Direct Access service pursuant to an established program approved by the California Public Utility Commission or a Local Regulatory Authority; and
	(f)	represented Existing Operating Entities have entered into Existing Operating Agreements with the ISO.
SCAP 2.7	Deficie	ent Application
	notifica receipt	event the application is deficient, the ISO will send a written ation of the deficiency to the SC Applicant within 14 days of by the ISO of the application explaining the deficiency and ting additional information.
SCAP 2.7.1	SC Ap	plicant's Additional Information
	2.6, the	he ISO requests additional information pursuant to Section e SC Applicant has 7 days, or such longer period as the ISO gree, to provide the additional material requested by the
SCAP 2.7.2	No Re	sponse from SC Applicant
	days o	SC Applicant does not submit additional information within 7 r the longer period referred to in SCAP 2.6.1, the application e rejected by the ISO in accordance with ISO Tariff Section 2(d).

SCAP 3	ISO A	ISO APPROVAL OR REJECTION OF AN APPLICATION	
SCAP 3.1	Appro	<ul> <li>Approval or Rejection Letter</li> <li>(a) If the ISO approves the application, it will send an approval letter with a signed SC Agreement for the SC Applicant's signature and any required software licensing agreement.</li> </ul>	
	(a)		
	(b)		ISO rejects the application, the ISO will send a ion letter stating one or more of the following ids:
		i.	incomplete information;
		ii.	non-compliance with security requirements;
		iii.	non-compliance with third party contractual obligations;
		iv.	non-compliance with technical requirements; or
		v.	non-compliance with any other SCAP or ISO Tariff requirements.
SCAP 3.2	Time	for Pro	cessing Application
	applic inform	ation wi nation is ys of the	nake a decision whether to accept or reject the thin 14 days of receipt of the application. If more requested, the ISO will make a final decision within e receipt of all outstanding or additional information
SCAP 4	SC AF	PPLICA	NT'S RESPONSE
SCAP 4.1	SC Ap	oplican	t's Acceptance
	execu start a	ited SC	epts the application, the SC Applicant must return an Agreement, meter service agreements, interim black ents and letter of credit, guarantee or escrow r the ISO Security Amount, as applicable.
SCAP 4.2	SC Ap	oplican	t's Rejection
SCAP 4.2.1	Resul	bmittal	
	applic	ation at ed for th	on is rejected, the SC Applicant may resubmit its any time. An additional application fee will not be ne second application submitted within 6 months after

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SCAP 4.2.2	Appeal		
	The SC Applicant may also appeal against the rejection of an application by the ISO. An appeal must be submitted within 28 days following the rejection of its application, as set forth in ISO Tariff Section 2.2.4.3 and 2.2.4.4.		
SCAP 5		APPLICATION PROCEDURES PRIOR TO FINAL FICATION	
SCAP 5.1	SC's A	dministrative, Financial and Technical Requirements	
		O will not certify that an SC Applicant has become a uling Coordinator until the SC Applicant has:	
	(a)	provided the technical / operational information required to complete the ISO Application File Template, and to comply with ISO Tariff Section 10.6;	
	(b)	executed software licensing agreement for the software used in conducting business with the ISO in a form approved by the ISO, if applicable;	
	(c)	bought and installed any required software for functional interface in order to Validate, Estimate and Edit meter values (VEE).	
	(d)	purchased the requisite Value Area Network (VAN) service in order to support Electronic Data Interchange (EDI) requirements;	
	(e)	provided its bank account information and arranged for Fed-Wire System transfers as defined in SABP 1.2.2;	
	(f)	submitted a timetable for completion of its operational facilities, in order to coordinate site visits by ISO staff to ensure compliance with the ISO Tariff Section 2.2.7.1; and	
	(g)	bought and installed a WEnet account in order to communicate with the ISO.	
SCAP 6	FINAL	CERTIFICATION OF SC APPLICANT	
	The SC	C Applicant will become a Scheduling Coordinator when:	
	1. its	application has been accepted;	
	agi	has entered into an SC Agreement, meter service reements and interim black start agreements, if applicable, h the ISO;	
		e SC Applicant has met the financial requirements of ISO riff Section 2.2.3.2; and	

	<ol> <li>the SC Applicant has fulfilled all technical/operational requirements of ISO Tariff Section 2.2.7.1, SCAP 5.1 and the ISO Application File Template.</li> </ol>
	The ISO will not certify an SC Applicant as a Scheduling Coordinator until the SC Applicant has completed all the above referenced requirements to the ISO's satisfaction, at least 14 days before the commencement of service.
SCAP 7	SC'S ONGOING OBLIGATIONS AFTER CERTIFICATION
SCAP 7.1	Scheduling Coordinator's Obligation to Report Changes
SCAP 7.1.1	Obligation to Report a Change in Filed Information
	Each SC has an ongoing obligation to inform the ISO of any changes to any of the information submitted by it to the ISO as part of the application process, including any changes to the additional information requested by the ISO. SCAP Appendix B sets forth the procedures for changing the SC's information and timing of notifying the ISO of such changes.
SCAP 7.1.2	Obligation to Report a Change in Credit Rating
	The SC has an ongoing obligation to inform the ISO within 3 business days if its Approved Credit Rating has been reduced below the ISO requirements.
SCAP 7.1.3	Obligation to Maintain ISO Security Amount
	The SC has an ongoing obligation to maintain the ISO Security Amount as set forth in ISO Tariff Section 2.2.7.3. Alternatively, the SC has the right to inform the ISO of an improvement in its credit status and have the ISO review a new Approved Credit Rating, in order to determine if the ISO Security Amount is still necessary.
SCAP 7.2	ISO's Response for Failure to Inform
SCAP 7.2.1	Failure to promptly Report a Material Change
	If an SC fails to inform the ISO of a material change in its information provided to the ISO, which may affect the reliability or safety of the ISO Controlled Grid, or the financial security of the ISO, the ISO may suspend or terminate the SC's rights under the ISO Tariff in accordance with the terms of ISO Tariff Sections 2.2.7.3 and 2.2.4 respectively. If the ISO intends to terminate the SC's rights it shall file a Notice of Termination with FERC. Such

		termination shall be effective upon acceptance by FERC of a Notice of Termination.
SC	AP 7.2.2	Failure to Report a Lost Approved Credit Rating
		If the SC's Approved Credit Rating is reduced below the ISO requirements, the ISO will suspend the SC's scheduling rights under the ISO Tariff, until the SC submits another form of security in accordance with ISO Tariff Sections 2.2.3.2 and 2.2.7.3.
SC	AP 7.2.3	Failure to Maintain ISO Security Amount
		If the SC's estimated aggregate liability is greater than its ISO Security Amount, the ISO will reject any schedule in accordance with ISO Tariff Section 2.2.7.3 until such time as the SC increases its ISO Security Amount or decreases its outstanding payment balance.
SC	AP 7.3	SC's Obligation to Uphold all SC Commitments
		Each SC has an ongoing obligation to uphold and be bound by all the terms and conditions of the ISO Tariff as long as it remains an SC.
SC	AP 8	AMENDMENTS TO THE PROTOCOL
		If the ISO determines a need for an amendment to this Protocol, the ISO will follow the requirements as set forth in Section 16 of the ISO Tariff.

The information provid	led for this application will be treated as confidential information
	SCAP APPENDIX A
SCHEDU	ILING COORDINATOR APPLICATION FORM
the (	application is for approval as a Scheduling Coordinator ("SC") by California Independent System Operator Corporation ("ISO") in rdance with the ISO Tariff.
I.	Administrative Requirements
	SC Applicant's Legal Name:
	Address of principal place of business:
	Authorized Representative:
	Address:
	Phone: Fax: E-mail:
Туре	of entity:
	icipal utility, power marketer, investor owned utility, federal or entity or other)
State	e of Incorporation or Partnership:
Issued by: N. Beth Emerv. G	eneral Counsel and Vice President
Issued on: June 1, 1998	Effective: March 31, 1998

II.	SC Customer Information
	<u>SC Customer mormation</u>
<b>4</b> .	<ul> <li>The information required under Appendix C, the ISO Application File Template, must be provided for represented SC Metered Entities which are Generators. The SC Applicant must submit all requested information prior to final certification which must occur fourteen (14) days before the commencement of service.</li> <li>[Note: For 1997 applications there will be an exception. All SCs will be required to submit all requested information by December 1 in order to participate in the ISO's operational dry run during the second week of December. Due to its extremely large input, the PX will input its data throughout November 1997.]</li> </ul>
B.	Information for SC Metered Entities which are End Users or Eligible Customers must be kept in a standard business format based on generally accepted accounting principals. The ISO shall have the right to inspect and audit a Scheduling Coordinator's accounts and files relating to its SC Metered Entities after giving two business days notice in writing.
C.	The SC Applicant must submit a list of all ISO Metered Entities which it will represent.
III.	Security Requirement
3.1	The SC Applicant has an Approved Credit Rating as set forth in the ISO Tariff: (yes/no). The SC Applicant's credit rating is
	Please attach certified documentation of an Approved Credit Rating from Standard & Poor's, Moody's Investors Services or the equivalent. SC Applicant must also submit, before final certification, an executed letter of understanding for payment providing contact details in case of default. <b>OR</b>
3.2	The SC Applicant will provide an irrevocable and unconditiona guarantee from a company which has an Approved Credit Rating: (yes / no).
	The SC Applicant must submit a signed irrevocable and unconditional guarantee in an ISO approved form and certified

		documentation of the other company's Approved Credit Rating before final certification. <b>OR</b>
3		The SC Applicant will provide an irrevocable and unconditional letter of credit: (yes / no). Amount: \$
		The SC Applicant must submit a signed irrevocable and unconditional letter of credit in an ISO approved form before final certification. <b>OR</b>
3		The SC Applicant will provide a cash deposit: (yes / no). Amount: \$ The SC Applicant must enter into an escrow agreement in an ISO approved form before final certification. <b>AND</b>
3		The SC Applicant must provide its bank account information before final certification. The SC Applicant's bank must be capable of performing Fed-Wire System transfers.
r	V.	Technical Requirements
4		Does the SC Applicant have the computer hardware, software and communication capabilities for interface compatibility with the ISO system for data transmission, for electronic data interchange (EDI) and for Fed-Wire System transfer accounts: (yes / no) If no, please submit a proposed completion date to be fully operational so that an ISO staff site visit can be arranged.
4		For Loads and Generating Units located within the ISO Controlled Grid, does the SC Applicant have any scheduling restrictions imposed by the parties they represent? (yes / no) If yes, provide full details on a separate sheet of paper.
4		Does the SC Applicant have adequate staffing to operate a SC's operational facility twenty-four (24) hours a day for 365 days a year: (yes / no). If no, please submit a proposed completion date to be fully operational so that an ISO staff site visit can be arranged.
v	<b>v</b> .	Third Party Contractual Requirements
5		The SC Applicant confirms that all of its SC Customers which are located within the ISO Controlled Grid and which should execute agreements with the ISO have entered into or will

		enter into, prior to the certification of the SC Applicant, all required agreements with the ISO to enable them to meet the requirements of the ISO Tariff: (yes / no).
	(a)	Represented Generators have signed participating generator agreements: (yes / no).
	(b)	Represented UDCs have signed UDC Operating Agreements and meter service agreements: (yes / no).
	(c)	Represented ISO Metered Entities have signed meter service agreements: (yes / no).
	(d)	Wholesale Customers it will represent have warranted to the SC Applicant that they are eligible for wholesale transmission service pursuant to the provisions of the FPA Section 212(h): (yes / no).
	(e)	Each End-Use Customer it will represent which requests Direct Access service has warranted to the SC Applicant that the End-Use Customer is eligible for such service: (yes / no).
	(f)	Represented Existing Operating Entities have entered into Existing Operating Agreements with the ISO. (yes / no).
5.2	2	The SC Applicant confirms that all of the parties which it represents as SC Customers have granted it all necessary agency authority, whether actual, implied or inherent, to enable the SC to perform all of its obligations under the ISO Tariff: (yes / no).
5.3	3	Notwithstanding 5.2, the SC confirms that it will have the primary responsibility, as the principal, for all SC payment obligations under the ISO Tariff : (yes / no).
VI.		Additional Information and Obligations
6.4	I	The SC Applicant agrees to provide such further information to the ISO as the ISO may deem necessary to process the application and certify the SC Applicant as a SC now and on a continuing basis.
6.2	2	Subject to the ISO Tariff, the SC Applicant agrees to promptly report to the ISO within three (3) business days or earlier any changes regarding the information provided by it referred to in the SCAP and in the application.

6.	.3	The SC Applicant agrees to enclose herein the non-refundable application fee to cover the application processing costs, site visit and costs of providing ISO Tariff.
	Th	Please make check payable to: e California Independent System Operator Corporation
6.	.4	SC Applicant agrees to promptly execute and return the SC Agreement, meter service agreements, interim black start agreements, software licensing agreement, letter of understanding, letter of credit, guarantee, escrow agreement, as applicable, and Fed-Wire System bank account number, after receiving its application approval letter from the ISO.
6.	.5	Final certification is contingent upon SC Applicant fulfilling all financial and technical requirements as referenced in the SCAP (including Appendix C, the ISO Application File Template).

(1)	all information it is submitting is correct and accurate; and that
(2)	the SC Applicant has read and agrees to be bound by the ISC Tariff as may be in force or amended from time to time.
Nam	e of Organization:
SC A	Applicant's Name (please print):
_	
SC A	Applicant's Title:
SC A	Applicant's Signature:
—	
State	e of}
Cour	nty of}
	[SEAL]
Swoi	n and subscribed
befo	re me this day of,19
	ry's Signature:
	Please send application and required information to:
	California Independent System Operator Corporation
	c/o Schedule Coordinator Application Processing Office 151 Blue Ravine Road,
	Folsom, CA 95630

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	SCAP APPENDIX B Procedures for Changes or Additions to heduling Coordinator's (SC's) Information
submi format ISO A	C must update, amend and / or correct the information originally tted to the ISO during the SC application process using the t set forth in this Appendix and / or a revised Appendix C, the pplication File Template. The SC must submit all changes or onal information by first class postage paid mail to:
	California Independent System Operator Corporation c/o SC Application Processing Office 151 Blue Ravine Road Folsom, CA 95630
has pr	C must notify the ISO of any change to the information that it reviously submitted to the ISO, or any additional information, at hree business days before the change will take effect.
chang sent to	SO will send a written acknowledgment of receipt of the SC's es within three business days of receipt. The receipt shall be the address on file with the ISO or the address specified in the of change received by the ISO.
Prior	Information
New I	nformation
Expla	nation and Reason for Change

## CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION FERC ELECTRIC TARIFF ORIGINAL VOLUME NO. III

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## SCAP APPENDIX C

## ISO APPLICATION FILE TEMPLATE

The ISO Application File Template is an Excel template used to load resources into the ISO's database. There is also a customer help file created to work with a Microsoft Access Database which are used together to gather application information.