

“**BEEP**” means the Balancing Energy and Ex-Post Pricing software referred to in SP 11.2 which is used to determine the merit order stack.

“**Control Area Operator**” means the person responsible for managing the real time operations of a Control Area.

“**Dispatch Instruction**” means an operating order that is issued by the ISO to a Participant pertaining to real time operations.

“**GCC**” means the single point of contact at the grid control center of Southern California Edison Company.

“**ISO Home Page**” means the ISO internet home page at <http://www.caiso.com> or such other internet address as the ISO shall publish from time to time.

“**Primary ISO Control Center**” means the ISO Control Center located in Folsom, California.

“**Participant**” means any of those entities referred to in DP 1.3.1(a)-(f).

“**Power System Stabilizer (PSS)**” means an electronic control system applied on a Generating Unit that helps to damp out dynamic oscillations on a power system. The PSS senses Generator variables, such as voltage, current and shaft speed, processes this information and sends control signals to the Generator voltage regulator.

“**Qualifying Facility**” means a qualifying co-generation or small power production facility recognized by FERC.

“**Security Coordinator**” means the person responsible for Security Monitoring in real time for the California Area.

“**TOC**” means the single point of contact at the transmission operations center of Pacific Gas & Electric Company.

“**Total Transfer Capability (TTC)**” means the amount of power that can be transferred over an interconnected transmission network in a reliable manner while meeting all of a specific set of defined pre-contingency and post-contingency system conditions.

“**Western Interconnection**” means a network of transmission lines embodied within the WSCC Region.

**DP 1.1.1 Rules of Interpretation**

- (a) Unless the context otherwise requires, 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.
- (b) A reference in this Protocol 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 made.
- (c) The captions and headings in this Protocol are inserted solely to facilitate reference and shall have no bearing upon the interpretation of any of the terms and conditions of this Protocol.
- (d) This Protocol shall be effective as of the ISO Operations Date.
- (e) Time references in this Protocol are references to prevailing Pacific time.

**DP 1.2 Scope**

**DP 1.2.1 Scope of Application to Parties**

This Protocol applies to the ISO and to the Participants:

- (a) Scheduling Coordinators (SCs);
- (b) Utility Distribution Companies (UDCs);
- (c) Participating Transmission Owners (PTOs);
- (d) Participating Generators;
- (e) Control Area Operators; and
- (f) Metered Subsystem (MSS) Operators.

**DP 1.2.2 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.

- (a) Interconnection schedules between the ISO Control Area and other Control Areas; and
- (b) Inter-Scheduling Coordinator Energy Trades.

**DP 3.2 Supplemental Energy**

In addition to the Final Schedules, Supplemental Energy bids will be available to the ISO real time dispatchers, as described in the SBP, by 30 minutes prior to the start of the Settlement Period to which such Supplemental Energy bids apply.

**DP 3.3 SC Intertie Schedules**

In accordance with the SBP and the SP, SCs shall provide the ISO with Interconnection schedules prepared in accordance with all NERC, WSCC and ISO requirements. The provisions of the SBP and the SP shall apply to real time changes in Interconnection schedules under Existing Contracts.

**DP 3.4 Information to be Supplied by SCs**

**DP 3.4.1 SC Dispatch**

Each SC shall be responsible for the scheduling and Dispatch of Generation and Demand in accordance with its Final Schedule.

**DP 3.4.2 Generator or Interconnection Schedule Change**

Each SC shall keep the ISO apprised of any change or potential change in the current status of all Generating Units, Interconnection schedules and Inter-Scheduling Coordinator Energy Trades. This will include any changes in Generating Unit capacity that could affect planned Dispatch and conditions that could affect the reliability of a Generating Unit. Each SC shall immediately pass to the ISO any information which it receives from a Generator which the Generator provides to the SC pursuant to DP 3.7. Each SC shall immediately pass to the ISO any information it receives from a MSS Operator which the MSS Operator provides to the SC pursuant to DP 3.9.

**DP 3.4.3 Verbal Communication with Generators**

Normal verbal communication of Dispatch Instructions between the ISO and Generators will be via the relevant SC. Each SC must immediately pass on to the Generator concerned any verbal communication for the Generator which it receives from the ISO. If the ISO considers that there has been a failure at a particular point

**DP 3.9 Information to be Supplied by MSS Operators**

**DP 3.9.1 Transmission Status Change**

Each MSS Operator shall report any change or potential change in equipment status of the MSS's transmission assets immediately to the ISO (this will include line and station equipment, line protection, remedial action schemes and communication problems). Each MSS Operator shall also keep the ISO immediately informed as to any changes or potential changes in the MSS's transmission system that could affect the reliability of the ISO Controlled Grid. This would include adverse weather conditions, fires, bomb threats, etc.

**DP 3.9.2 Transmission Outage Scheduling**

Each MSS Operator shall schedule all Outages of its lines and station equipment which could affect the reliability of the ISO Controlled Grid in accordance with the appropriate procedure under the OCP.

**DP 3.9.3 MSS Operator Emergency Outage Scheduling**

Each MSS Operator shall coordinate any request for or responses to Forced Outages on its transmission lines or station equipment which could affect the reliability of the ISO Controlled Grid directly with the appropriate ISO Control Center as defined in DP 6.2.

**DP 3.9.4 Generator Status Change**

Each MSS Operator shall inform the ISO, through its respective SC, immediately of any change or potential change in the current status of any Generating Units that are under the Dispatch control of the ISO. This will include, but not be limited to, any change in status of equipment that could affect the maximum output of a Generating Unit, the minimum load of a Generating Unit, the ability of a Generating Unit to operate with automatic voltage regulation, operation of the PSS (whether in or out of service), the availability of a Generating Unit governor, or a Generating Unit's ability to provide Ancillary Services as required. Each MSS Operator shall immediately report to the ISO, through its SC any trouble on Generating Unit direct digital control equipment, Generating Unit voltage control equipment, or any other equipment that may impact the reliable operation of the ISO Controlled Grid.

**DP 3.9.5 Generator or Interchange Schedule Change**

Each MSS Operator shall inform the ISO, through its respective SC, of any change or potential change in the current status of all Generating

Units, Interconnection schedules and Inter-Scheduling Coordinator Energy Trades. This will include any changes in Generating Unit capacity that could affect planned dispatch and conditions that could affect the reliability of a Generating Unit. Each MSS Operator shall immediately pass to the ISO, through its respective SC, any information which it receives from a Generator which the Generator provides to the MSS Operator pursuant to DP 3.9.

**DP 4 METHODS OF COMMUNICATIONS**

**DP 4.1 Methods of Transmitting Dispatch Instructions**

**DP 4.1.1 Full-Time Communications Facility Requirement**

Each Participant must provide a communications facility manned twenty-four (24) hours a day, seven (7) days a week capable of receiving Dispatch Instructions issued by the ISO.

**DP 4.1.2 Communication via Telephone**

The ISO will issue Dispatch Instructions by telephone.

**DP 4.2 Verbal Dispatch Instructions**

**DP 4.2.1 Phone Lines**

Each Participant must maintain a dedicated telephone line available twenty-four (24) hours a day every day of the year for immediate access by the ISO.

**DP 4.2.2 Voice Recording**

The ISO shall record all voice conversations that occur on the Dispatch Instruction communication equipment. These recordings may be used by the ISO to audit the Dispatch Instruction, and to verify the response of the Participant concerned to the Dispatch Instruction.

**DP 4.2.3 Logging**

The Dispatch Instruction and all information associated with it shall be logged and recorded by the ISO as soon as practical after issuing each Dispatch Instruction.

