

## EMERGENCY PORTABLE ENGINE CONNECTION PLAN

### 1. GENERAL

- 1.1 This section provides procedures for developing the emergency portable engine connection plan (EPEC) at locations where a permanent engine exists. Even though in some territories, local management has dictated that full permanent connections be available at all sites. Conditionally, the plan shall also include connections for AC PDSC's serving DC Power Plants that are being fed through step down transformers. The purpose of this plan is to detail a minimum standard plan to be followed throughout the SBC LEC family of companies.
- 1.2 This completed form will be reviewed by Maintenance Engineering (SWBT/SNET) or Technical Support (Pacific/Nevada) during the scheduled DC Power Review for every Central Office location.
- 1.3 The intent of this plan is for each location to have documentation regarding the source of a temporary generator, connection cables, electricians, and secured routes for the path of the cables.
- 1.4 Information from the form will:
- 1.4.1 Serve as an aid in detecting and correcting the following unsatisfactory power plant conditions:
- Engineering conditions requiring attention
  - Deficiencies in the house service board that may inhibit the use of a temporary engine in the event of an emergency
  - Reliability concerns where network elements are being served through step down transformers
  - Safety hazards
  - Service conditions requiring attention
- 1.4.2 Enable the Power Engineer to consider these issues while performing a generator addition or upgrade.
- 1.4.3 Provide the technician who is not familiar with a certain location the proper procedure and contacts needed to administer the EPEC plan.
- 1.4.4 Provide administrative and central office personnel with a convenient historical reference when needed.

### 2. PROCEDURE

- 2.1 Record all office information on the attached form SBC30501.

PROPRETARY INFORMATION

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- 2.2 Record all key contact information. This information should be updated as required.
- 2.3 Portable Engine Alternator Requirements can be defined, as:
  - 2.3.1 Required information needed by the temporary engine provider and the electrical contractor that will make the connection.
  - 2.3.1 List the AC Voltage and Phase of the tap box or connect point. This may be the house service board, step down transformer or at the generator.
  - 2.3.2 Minimum kW required, is defined as essential loads used to provide Telco power and ancillary devices to support that effort.
  - 2.3.3 Generator location can be identified as where the generator is normally stored by the supplier when not in use.
  - 2.3.4 The plan should include the minimum cable lengths required to connect the portable generator to the tap location. This tap location (A) will depend on the closest location to where the portable engine (B) will reside or the most economical route to get from point A to point B.
- 2.4 Tap Box Connection Information:
  - 2.4.1 List the location of the tap box(s) or connection point(s) in the Central Office. The temporary connection may be the house service board or at the stationery generator. This connection point shall be labeled or stenciled to properly identify it.
  - 2.4.2 Identify the location in which the portable engine will reside at the Central Office when in use.
  - 2.4.3 Routing of Tap Box Cables should include a specific path. Where economics play a part in designing a cable path, Corporate Real Estate (CRE) may be required to establish permanent wall and floor penetrations to provide a direct route to the designated tap box or connection point. This issue should also be considered during any generator addition or replacement.
  - 2.4.4 With the increased use of step down transformers, the need for multiple forms (SBC30501) for individual locations may be required.

### **3. PREPARATION AND DISTRIBUTION OF FORMS SBC30501**

- 3.1 Fill out form SBC30501 and provide copies as follows:
  - 3.1.2 Keep one copy at the Generator Set.

- 3.1.3 A copy of the EPEC shall be located at the stationary generator and the tap box or connection point.
- 3.2 Fill out Form SBC30501 as described below; where entries are self-explanatory, no details are given.



OFFICE:	CLLI:	CITY:	DATE:
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CENTRAL OFFICE MANAGER NAME:	CENTRAL OFFICE MANAGER PHONE #:
POWER TECHNICIAN NAME:	POWER TECHNICIAN PHONE #:
CORPORATE REAL ESTATE MANAGER NAME:	CORPORATE REAL ESTATE MANAGER #:
POWER ENGINEER NAME:	POWER ENGINEER PHONE #:
POWER MAINTENANCE ENGINEER NAME:	POWER MAINTENANCE ENGINEER #:

AC VOLTAGE/PHASE	MINIMUM KW REQ'D	MINI. TAP CABLE LGTH	MINI. TAP CABLE SIZE
PROVIDING ENG CONTRACTOR NAME:	PHONE NUMBER:	PAGER NUMBER:	MOBILE NUMBER:
GENERATOR LOCATION	ADDRESS	CITY	STATE
TAP BOX CABLES LOCATION (QTY)	ADDRESS	CITY	STATE

LOCATION OF TAP CONNECTION (Central Office)	LOCATION OF PORTABLE ENGINE (Central Office)	ROUTING OF TAP BOX CABLES (Central Office)
<p>OPTIONAL: ELECTRICAL CONTRACTOR Name: Phone #:</p>		