



California ISO
Your Link to Power

Draft White Paper
ETCC Assignment of Contract Reference Number (CRN)

Version 1.1

ETCC Assignment of Contract Reference Number	Version: 1.0
	Date: 17-Oct-07

Revision document History

Date	Version	Description	Author
10/17/2007	1.0	Document development	Wendell Tamblyn
10/22/2007	1.1	Changed CRN to include trailing digit for combination identifier	Wendell Tamblyn

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Vision

1. Introduction

This is a proposed change to the current Contract Reference Number/Name (CRN) naming convention, for contracts identified in Existing Transmission Contract Calculator (ETCC).

In the current production system a common CRN consists of a 3-character alpha-numeric identifier, examples as follows:

“A40”, “H07” or “E11”. Under this present convention, there is no means to correlate a specific CRN with the actual contract rights or holder.

Assignment of specific CRN letter/number combinations is somewhat arbitrary. This convention provides no assistance when trying to associate a CRN with a particular Contract Right or contract right owner.

Going forward with MRTU and the use of the TRTC Instructions submitted by the responsible entities, each Contract Right identified will be assigned a new CRN. Accordingly, the CAISO would like to take advantage of this opportunity to enhance the meaning of the CRN and follow a standard naming convention that provides the user with additional, more useful contract information.

2. Summary of Change

To ensure that we are working toward attaining a useful solution to the naming process going forward it is important to know who is affected with this naming convention proposal.

- A. **RPTOs and NPTOs:** Identify Rights and submit the TRTC Instructions to CAISO.
- B. **CAISO CRR:** Needed for CRR process
- C. **CAISO ETCC:** Needed for ETCC process
- D. **CAISO Master File:** Information in TRTC Instructions is registered in Master File

CAISO Scheduling: (Real Time, Pre-Scheduling, Contract Maintenance) Real-Time Operations and Pre-Scheduling, coordinate with Scheduling Coordinators and TOs on the scheduled use of ETC and TOR Rights, through Real-Time. Contract maintenance and the associated modifications to the ETCC are performed when TRTC changes are submitted by RPTOs or NPTOs

[This section provides a high level view of needed capabilities, both business and technical including interfaces to other processes/applications, and systems configurations. It should cover these major topics, as follows:

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2.1 CRN Use

The CRN is a reference number or “flag” for a particular Contract ID. The CAISO assigns a unique CRN for each Transmission Right and provides the CRN to the entities authorized to schedule their ETC, TOR, CVR Self-Schedules in SIBR. Use of the CRN, or “Flag”, assures that the planned use of these transmission rights will receive the appropriate scheduling priority and settlements treatment, afforded to ETC, TOR or CVR self-schedules under Tariff. In this manner, these rights are honored. SIBR associates the CRN to a Contract ID, which will have a relationship with a set of resource ids that are provided by the authorized SCs identified in the TRTC Instructions. These resources will be able to scheduled using transmission rights identified by use of the particular CRN. Forward market rights are managed by the Pre-Schedulers, based upon the respective RPTO and NPTO TRTC instructions, using the ETCC. The Real-Time Schedulers also reference CRNs in order to coordinate use of these Rights through Real-Time, working in conjunction with the responsible scheduling SC.

2.2 CRN Proposed Naming Convention

The following naming convention is a proposed to assist in adding more meaning to a CRN, when it is referenced during pre-scheduling through Real Time operations.

The CRN name would consist of a 8 or 9 character name still using a combination of alpha-numeric characters:

A CRN would consist of an contract Owner reference with 3 or 4 characters, followed by an underscore and then interchange direction reference (in/out), internal or external path reference(Ties and Path 15/26), physical resource/sink reference or indicate of use of a Contract Chain, and also a trailing numeric to identify possible combinations associated with the contract. This will be represented by the following proposed number scheme:

- 100 – 199 would be for Imports (Interties and Path 15/26)
- 200 – 299 would be for Exports (Interties and Path 15/26)
- 300 – 399 would be for Internal Source (Internal to the CAISO)
- 400 – 499 would be for Internal Sink (Internal to the CAISO)
- 500 – 599 would be for a Chain (Chains are associated with multiple CRNs)

As an example if CRLP were the owner of a particular Right, using one of the above CRN conventions, the CRN would be represented as follows:

- CRLP_1001 (Import)
- CRLP_2001 (Export)
- CRLP_3001 (Internal Source)
- CRLP_4001 (Internal Sink)
- CRLP_5001 (Chain)

If there was more than one combination identified on the TRTC Instructions, there would be another CRN CRLP_1002, etc...