4.12.2.1.5   SCR Aggregation Performance Factor

The SCR Aggregation performance factor is calculated each month, after the close of Aggregation Management as specified in the ICAP Event Calendar and DRIS Event Calendar. The SCR Aggregation performance factor for the current Capability Period and auction month shall be determined using enrollment and hourly event and required test response data from all SCRs assigned to the SCR Aggregation from the Prior Equivalent Capability Period and the Capability Period immediately preceding the Prior Equivalent Capability Period.

To compute the hourly raw performance of the SCR Aggregation for each hour that the SCRs assigned to the SCR Aggregation were required to reduce load in a mandatory event and required one-hour tests from the Prior Equivalent Capability Period and the Capability Period immediately preceding the Prior Equivalent Capability Period, the hourly raw performance of the SCR Aggregation shall be the sum of the capacity reduction value from all SCRs assigned to the SCR Aggregation for the month divided by the difference between the sum of the ACLs and the sum of the CMDs from all of the SCRs assigned to the SCR Aggregation for the month.

The adjusted SCR Aggregation performance factor for each hour is the lesser of the hourly raw performance factor or one. The SCR Aggregation performance factor for the month shall be the result of the sum of the hourly adjusted performance factors during the best four consecutive hours in each mandatory event and one-hour tests from the Prior Equivalent Capability Period and the Capability Period immediately preceding the Prior Equivalent Capability Period divided by the total number of hours in which the SCR Aggregation was required to reduce load for the mandatory events, up to a maximum of four consecutive hours per mandatory event and required one-hour tests from the Prior Equivalent Capability Period and the Capability Period immediately preceding the Prior Equivalent Capability Period.

~~The SCR Aggregation performance factor shall be the result of the sum of the adjusted hourly performance factors for each SCR assigned to the SCR Aggregation during the best four consecutive hours in each mandatory event and required one-hour test in which each SCR was required to reduce load from the Prior Equivalent Capability Period and the Capability Period immediately preceding the Prior Equivalent Capability Period divided by the total number of hours in which each SCR in the SCR Aggregation was required to reduce load for mandatory events, up to a maximum of four consecutive hours per event, and required one-hour tests. Each adjusted hourly performance factor is the lesser of the raw performance factor or one.~~

If a SCR assigned to the SCR Aggregation for the current Capability Period was not enrolled in any Capability Period required to calculate the performance factor for the current Capability Period and auction month, the SCR will not be included in the calculation of the SCR Aggregation performance factor.

The precise formulation is as follows:

$$SCR\ Aggregation\ PF_{am} = \frac{\sum_{h \in NLRHabe} \min\left(\dfrac{\sum_{g \in ah}\left(max\left(ACL_{BCgh} - ML_{BCgh}, 0\right) + max\left(ML_{Ggh}, 0\right)\right)}{\sum_{g \in ah}\left(ACL_{gh} - CMD_{gh}\right)}, 1\right)}{NLRH_{abe}}$$