

DESERT STAR, INC.

**APPENDIX B:
SCHEDULING**

2/8/01 DRAFT

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Attachment B-1 Scheduling Process Timeline

APPENDIX B: Scheduling

B.1 DAY-AHEAD SCHEDULING PROCESS

- a) The Day-Ahead Scheduling Process is the primary Desert STAR, Inc. (“Desert STAR” or “DSTAR”) process for scheduling all uses of the DSTAR Grid, including the scheduling of Energy, Transmission Rights and Ancillary Services.
- b) The Day-Ahead Scheduling Process shall treat each Settlement Period of the Trading Day independently.
- c) The Day-Ahead Scheduling Process shall begin at 1500 two (2) days ahead of the Trading Day and shall end at 1400 on the day ahead of the Trading Day, at which time DSTAR shall issue the final Day-Ahead Schedules and the Schedule Adjustment Process shall begin.
- d) All times are Pacific Standard Time.
- e) The Day-Ahead Scheduling Process can be briefly summarized as follows (see additional details in Sections B.1.1 through B.1.14 below):

Two (2) Days Ahead of the Trading Day

- 1500: DSTAR publication of forecasted system conditions for the Trading Day
- DSTAR posts the quantities of unsold and/or additional Firm Transmission Rights (“FTRs”) for any Settlement Period for the Trading Day that will be made available through the daily auction
- 1500 – 1600: DSTAR accepts bids for FTRs
- 1600: DSTAR auction of FTRs for the Trading Day
- 1615: DSTAR notification to winning FTR bidders

One (1) Day Ahead of the Trading Day

- 0600: DSTAR update of forecasted system conditions
- DSTAR starts assessment of forecasted Demand in a Congestion Zone versus the forecasted transmission import capability into the Congestion Zone to determine if there are any Local Generation Resource (“LGR”) requirements
- 0630: DSTAR requests Generating Unit commitment information from Scheduling Coordinators (“SCs”) when forecasted Demand inside a Congestion Zone is projected to exceed forecasted transmission import capability into the Congestion Zone
- 0655: SCs provide DSTAR with the requested Generating Unit commitment information
- 0700: DSTAR posts Settlement Periods where Load Pocket conditions (where forecasted Demand is expected to exceed total of forecasted transmission import

- capability plus committed Generating Units for a Congestion Zone) are expected to exist for the upcoming Trading Day
- 0700 - 0730: During Load Pocket conditions, SCs submit requests for the additional quantities of Energy required within the Congestion Zone to balance their Schedules
- 0735: DSTAR posts the required LGR Energy and solicits bids
- 0735 - 0800: LGR Resources and other Resources within the Congestion Zone submit their Energy bids and DSTAR runs an auction to acquire the amount of Generation requested by SCs at 0730
- 0830: DSTAR shall calculate a preliminary Market Clearing Price for Energy acquired during the auction held at 0800 (the final Market Clearing Price cannot be determined until after the Settlement Period, see Appendix D, Ancillary Services)
- DSTAR allocates the procured Energy to SCs based on the SC requests submitted at 0730
- 0900: Scheduling Coordinator notification of intent to schedule FTRs and Non-Converted Rights (“NCRs”) for each hour of the Trading Day
- 0905: DSTAR posts available Recallable Transmission Rights (“RTRs”) for auction
- 0905 - 0930: DSTAR accepts bids for RTRs
- 0930: DSTAR auction of RTRs for the Trading Day
- 0935: DSTAR notification to winning RTR bidders and notification of any unsold RTRs
- DSTAR posting of Non-firm Transmission Rights (“NTRs”) released through non-scheduling of NCRs (see Appendix A)
- 1200: SC submittal of Balanced Schedules (including all applicable North American Electric Reliability Council (“NERC”)/Western Systems Coordinating Council (“WSCC”) tags and required Transmission Rights)
- SC submittal of self-provided Ancillary Services (including all applicable NERC/WSCC tags and required Transmission Rights)
- SC submittal of Ancillary Services bids from specific Resources and from Portfolio Resources
- 1230: DSTAR validation of SC Balanced Schedules and Ancillary Services bids
- DSTAR runs the Ancillary Services procurement process
- 1235: DSTAR communication of Ancillary Services selections to SCs
- 1300: SC submittal of Resource-specific Ancillary Services Schedules from Ancillary Services procurement (including all applicable NERC/WSCC tags and required Transmission Rights) for accepted bids from specific Resources and from Portfolio Resources (i.e., including information on the specific Resources within the Portfolio Resource)
- DSTAR final validation of Day-Ahead Schedule data

DSTAR identification of adjustments required for Intra-Zonal Congestion Management

DSTAR mitigation of Intra-Zonal Congestion through the use of Congestion Redispatch service bids

1400: DSTAR posting of additional NTRs (see Appendix A)

DSTAR to non-DSTAR Control Area checkout and transfer of final net Day-Ahead Schedules to non-DSTAR Control Area Operators (“CAOs”) and the DSTAR Area Operations Centers (“AOCs”) and Resource Operations Centers (“ROCs”)

These times may be changed periodically as required by changes in NERC and WSCC transaction tagging requirements and/or to minimize scheduling differences with other Regional Transmission Organizations (“RTOs”).

Attachment B-1 of this Appendix contains a graphical depiction of the Day-Ahead Scheduling Process timeline.

B.1.1 PUBLICATION OF FORECASTED SYSTEM CONDITIONS

No later than 1500 two (2) days prior to the Trading Day, DSTAR shall publish the following information for each Settlement Period of the Trading Day:

- a) A forecast of conditions on the DSTAR Grid, including transmission line and other transmission facility Outages;
- b) A forecast of unscheduled flows over interfaces between DSTAR and non-DSTAR Control Areas;
- c) A forecast of Operating Transfer Capability (“OTC”) and any FTRs to be released in the daily auction for each FTR Interface and Scheduling Point;
- d) Any known pro-rata reduction factors to be applied to FTRs;
- e) A forecast of system Demands by Congestion Zone;
- f) A forecast of any of LGR Generation requirements by Congestion Zone; and
- g) A forecast of Ancillary Services requirements, including location specific requirements.

DSTAR shall have no liability of any kind with respect to its publication of forecasted system conditions or any update thereto.

B.1.2 DAILY AUCTION OF FTRS

- a) Between 1500 and 1600 two (2) days prior to the Trading Day, DSTAR will accept bids for FTRs.
- b) At 1600 two (2) days prior to the Trading Day, DSTAR shall conduct an auction of any additional FTRs that can be made available for the Trading Day, as described in Appendix A. These FTRs shall be sold on an hour-by-hour basis (i.e., for the individual Settlement Periods of the Trading Day, and not in twenty-four (24) hour blocks for the full Trading Day). DSTAR shall notify winning bidders by 1615.

B.1.3 UPDATE OF FORECASTED SYSTEM CONDITIONS

At 0600 of the day prior to the Trading Day, DSTAR shall update and publish the information listed in Section B.1.1. DSTAR shall also update and publish this information periodically throughout the day, as forecasts and system conditions change.

B.1.4 LGR REQUIREMENT PROCESS

The LGR requirement process follows the timeline contained in Section B.1 and consists of the following:

- a) On the day prior to the Trading Day, DSTAR shall determine if the forecasted Demand inside a Congestion Zone is projected to exceed the forecasted transmission import capability into that Congestion Zone for any Settlement Periods of the Trading Day.
- b) On the day prior to the Trading Day, and when the forecasted Demand inside a Congestion Zone is forecasted to exceed the forecasted transmission import capability into that Congestion Zone, DSTAR shall request Generating Unit commitment information from SCs representing local Generating Units (i.e., Generating Units within the Congestion Zone) covering the Settlement Periods during which such conditions (“Load Pocket” conditions) are expected to exist.
- c) If the amount of local Generating Units committed to be on-line within the Congestion Zone (either to serve internal Demand or to be exported), combined with the forecasted amount of transmission import capability into the Congestion Zone exceeds the forecasted Demand inside the Congestion Zone during all Settlement Periods of the Trading Day, DSTAR shall notify Market Participants that there will be no further requirements for Energy from LGRs for the next Trading Day for that Congestion Zone. Provided, however, that if a planned export from an LGR gets cut, DSTAR may require the LGR to remain on-line to meet the LGR Energy requirements of the Congestion Zone, for which it would be paid in accordance with the provisions of Appendix D.
- d) On the day prior to the Trading Day, in the event that the amount of local Generating Units committed to be on-line in the Congestion Zone (either to serve internal Demand or to be exported), combined with the forecasted amount of transmission import capability into the Congestion Zone is less than the forecasted Demand inside the Congestion Zone during any Settlement Periods of the Trading Day, DSTAR shall post a notice that Load Pocket conditions are expected to exist. Such notice shall indicate which Settlement Periods of the Trading Day are subject to Load Pocket conditions.
- e) On the day prior to the Trading Day, and when Load Pocket conditions are expected to exist and have been so designated by DSTAR, SCs that require additional Energy within the Congestion Zone shall submit to DSTAR the amount of Energy within the Congestion Zone needed to balance their Schedules in the Settlement Periods in which Load Pocket conditions are expected to exist.
- f) On the day prior to the Trading Day, and when Load Pocket conditions are expected to exist, DSTAR shall run an auction to procure the amount of Energy from LGRs and other Resources requested by the SCs within the Congestion Zone for the Settlement Periods in which Load Pocket conditions are expected to exist.
- g) On the day prior to the Trading Day, and when Load Pocket conditions are expected to exist within a Congestion Zone, DSTAR shall calculate a preliminary Market Clearing Price for this limited Energy auction for each Settlement Period for which such auction is held. DSTAR shall allocate the procured Energy to each SC based on the SCs’ requests

submitted earlier. The final price paid for Energy acquired from the LGR auction shall be determined in accordance with the provisions of Appendix D.

- h) In the event that DSTAR, in order to meet Applicable Reliability Criteria and in accordance with the provisions of Appendix D, executes contracts to keep in service Resources that would otherwise be removed from service (e.g., retired, mothballed, etc.), additional provisions may have to be developed to incorporate such Resources into the Day-Ahead Scheduling Process. Similar modifications may be required in the event that DSTAR develops recourse contracts that would require Generating Units to be made available under certain conditions, as also described conceptually in Appendix D.

B.1.5 NOTIFICATION OF INTENT TO SCHEDULE FTRS AND NCRS

- a) By 0900 of the day prior to the Trading Day, each SC must inform DSTAR of the SC's intention to schedule the use of FTRs.
- b) By 0900 of the day prior to the Trading Day, each SC must inform DSTAR of the SC's intention to schedule the use of NCRs, unless a later deadline is required by the scheduling requirements applicable to the NCRs.
- c) Each SC must provide the following information for each of the FTRs and NCRs that the SC plans to schedule:
 - i) SC ID;
 - ii) Settlement Period ID: specifies Trading Day and Settlement Period; and
 - iii) For each Settlement Period of the Trading Day, the identification numbers of the FTRs and/or NCRs.
- d) DSTAR shall validate this information as described in Section B.3.

B.1.6 DAY-AHEAD AUCTION OF RTRS

- a) At 0905 of the day prior to the Trading Day, DSTAR shall post on the DSTAR Website the available quantities of RTRs on each FTR Interface and Scheduling Point that will be made available for auction.
- b) At 0930 of the day prior to the Trading Day, DSTAR shall conduct an auction for RTRs, as described in Appendix A, for each Settlement Period of the Trading Day. RTRs shall be sold on an hour-by-hour basis (i.e., for the individual Settlement Periods of the Trading Day, not in twenty-four (24) hour blocks for the full Trading Day).
- c) DSTAR shall notify winning bidders by 0935.

B.1.7 POSTING OF NTRS AND UNSOLD RTRS

At 0935 of the day prior to the Trading Day, DSTAR shall post on the DSTAR Website any unsold RTRs and any NTRs that may be made available as a result of the non-scheduling of NCRs, depending upon the terms and conditions of the Existing Contract ("EC") associated with the NCRs.

B.1.8 SUBMITTAL OF BALANCED SCHEDULES, SELF-PROVIDED ANCILLARY SERVICES SCHEDULES, AND BIDS TO SELL ANCILLARY SERVICES

By 1200 of the day prior to the Trading Day, each SC that desires to use the DSTAR Grid on the Trading Day must submit the following information for each Settlement Period of the Trading Day:

B.1.8.1 Balanced Schedules

Each SC's Day-Ahead Schedule must be a Balanced Schedule including, during Load Pocket conditions, Energy from the LGR auction. The elements of a Balanced Schedule are information specifying, in whole MW or MWh: Energy deliveries to/from Generating Units, Demands, imports and exports; inter-Scheduling Coordinator ("inter-SC") Energy trades (see Section B.1.8.2 for inter-SC Ancillary Services trades); Transmission and Distribution Loss allowances (see Appendix K, Transmission and Distribution Losses); and Transmission Rights (FTRs, RTRs, NTRs and/or NCRs) consistent with the SC's use of FTR Interfaces and Scheduling Points.

B.1.8.1.1 Generating Units

The SC shall provide the following information for each Generating Unit from which Energy is to be scheduled:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) Generating Unit ID.
- d) Generation Priority ID: required if scheduling a Generating Unit that is associated with an NCR that conveys special curtailment rights to the Generating Unit. The Generation Priority ID includes the reference number of the associated non-converted EC.
- e) Ten-Minute scheduled output of the Generating Unit, in MWh, for the six (6) ten-minute intervals in each Settlement Period. In the Day-Ahead Scheduling Process, this is each Settlement Period of the Trading Day; in the Schedule Adjustment Process, it is a single Settlement Period. The total MWh schedule for the Settlement Period will be used in determining if the Schedule is a Balanced Schedule.
- f) All NERC/WSCC tagging information as required.
- g) All Transmission Rights ID information (see Section B.1.8.1.8).

B.1.8.1.2 Demand

The SC shall provide the following information for each Demand Location (Congestion Zone, including the portion of a Congestion Zone that is part of a Self-Tracking System, or Scheduling Point) to which Energy is to be scheduled:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.

- c) Demand Location ID. Demand may be identified at the Congestion Zone, including the portion of a Congestion Zone that is part of a Self-Tracking System, or Scheduling Point level.
- d) Congestion Zone ID.
- e) Hourly Demand Schedule, in MWh, for each Settlement Period.
- f) All NERC/WSCC tagging information as required.
- g) All Transmission Rights ID information (see Section B.1.8.1.8).

B.1.8.1.3 Imports

Imports are interchange Schedules into the DSTAR Grid. Conversely, exports are interchange Schedules out-of the DSTAR Grid and are submitted as part of the Demand Schedule in Section B.1.8.1.2 above.

The SC shall provide the following information for each import scheduled by the SC:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) Scheduling Point and external Control Area ID.
- d) Energy type (Firm Energy or Non-Firm Energy).
- e) Hourly Schedule, in MWh, for each Settlement Period. Imports into the DSTAR Grid are reported as negative quantities.
- f) All NERC/WSCC tagging information as required.
- g) All Transmission Rights ID information (see Section B.1.8.1.8).

B.1.8.1.4 Inter-Scheduling Coordinator Energy Trades

The SC shall provide the following information for each of the SC's inter-SC Energy trades:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) ID of the SC that is counter-party to the trade.
- d) Congestion Zone ID, designating the Congestion Zone, including the portion of a Congestion Zone that is part of a Self-Tracking System, in which the trade is deemed to take place.
- e) Hourly Schedule, in MWh, for each Settlement Period. Trades to the SC are reported as negative quantities and trades from the SC are reported as positive quantities.

B.1.8.1.5 Transmission Losses

Each SC must include in its Balanced Schedule its projected share of Transmission Losses as determined in accordance with Appendix K. This includes Balanced Schedules for Wheeling Through and Wheeling Out transactions. The Transmission Loss Factors (“TLFs”) for each season shall be calculated in accordance with the provisions of Appendix K and published on the DSTAR Website at least ninety (90) days prior to the start of the Settlement Periods to which they are applicable.

B.1.8.1.6 Distribution Losses

Each SC must include in its Balanced Schedule its projected share, if any, of Distribution Losses as determined in accordance with Appendix K. The Distribution Loss Factors (“DLFs”) for each Utility Distribution Company (“UDC”) shall be published on the DSTAR Website at least ninety (90) days prior to the start of the Settlement Periods to which they are applicable.

B.1.8.1.7 Other Uses of the DSTAR Grid (Wheeling Out, Wheeling Through)

The SC shall provide the following information for each of the SC’s Wheeling Out (export) and Wheeling Through (combined import/export) transactions:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) Energy type (Firm Energy, Non-Firm Energy, capacity only).
- d) Scheduling Point and external Control Area ID at point of import into the DSTAR Grid (only required for Wheeling Through).
- e) Identification numbers of the FTRs, RTRs, NTRs or NCRs associated with the import (only required for Wheeling Through).
- f) Scheduling Point and external Control Area ID at point of export from the DSTAR Grid.
- g) Hourly schedule, in MWh, for each Settlement Period. Imports into the DSTAR Grid are reported as negative quantities and exports are reported as positive quantities.
- h) All NERC/WSCC tagging information as required.
- i) All Transmission Rights ID information (see Section B.1.8.1.8).

B.1.8.1.8 Transmission Rights for FTR Interfaces and Scheduling Points

- a) Each SC shall identify in its Balanced Schedule the FTR Interface and/or Scheduling Point Transmission Rights (FTRs, RTRs, NTRs and/or NCRs) that are required. Each SC shall provide the following information for each FTR Interface or Scheduling Point that the SC is deemed to use:
 - i) SC ID.
 - ii) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.

- iii) FTR Interface or Scheduling Point ID.
- iv) Identifiers of Transmission Rights for the FTR Interface or Scheduling Point, for each Settlement Period.
- b) The quantity of Transmission Rights required for each FTR Interface or Scheduling Point shall be determined by DSTAR and posted on the DSTAR Website at least ninety (90) days prior to the DSTAR Operations Date and ninety (90) days prior to the implementation of any changes in FTR Interfaces and/or Scheduling Points determined in accordance with the provisions of Appendix A.
- c) DSTAR shall verify that each SC has submitted the correct quantities of Transmission Rights for each FTR Interface or Scheduling Point and that the SC is authorized to schedule the use of each of the Transmission Rights that the SC has submitted.

B.1.8.2 Ancillary Services

B.1.8.2.1 General Requirements

- a) The requirements of Appendix D must be met by every Resource (Generating Unit, Dispatchable Demand, import or export) for which an SC submits an Ancillary Service Schedule or bid.
- b) An SC may, at its option, submit Ancillary Service Schedules and bids: i) on a Resource-specific basis; or ii) from the grouped output of one or more self-designated bundles of the Resources (“Portfolio Resources”) for which the SC has scheduling authority.
- c) Each Portfolio Resource designated by an SC shall be treated by DSTAR, during DSTAR’s Ancillary Services procurement process, as a single Resource. An SC may submit bids from more than one Portfolio Resource, provided that:
 - i) Each Portfolio Resource and all of the individual Resources that are part of each Portfolio Resource are located in a single Congestion Zone;
 - ii) The sum of the capacities offered by the SC as individual Resources and Portfolio Resources do not exceed the total amount of capacity available to the SC from the actual physical Resources (Generating Units, Dispatchable Demands, import Schedules and export Schedules) for which the SC has scheduling authority; and
 - iii) Each Portfolio Resource Schedule accepted by DSTAR is converted by the SC to specific Generating Unit, Dispatchable Demand, import and/or export Schedules by the final stage of the Ancillary Service scheduling process (i.e., by 1300 of the day prior to the Trading Day), as described in Section B.1.12 below.
- d) An SC must specify a capacity bid (\$/MW) for any physical Resource or Portfolio Resource that is offered to DSTAR’s Ancillary Service markets (note that for Congestion Redispatch and Supplemental Energy, this capacity price is deemed to be zero (\$0/MW)). For Resources that are self-provided, the SC must submit the identifier “SP” in lieu of a capacity bid.
- e) Quantities of each Ancillary Service self-schedule or bid must be specified hourly in whole MW or MWh.
- f) An SC must specify an Energy bid curve for each physical Resource or Portfolio Resource that the SC offers to DSTAR’s Ancillary Service procurement processes, and for each Resource that the SC designates for self-provision of Ancillary Services.

- g) Energy bid curves shall be defined by two to eleven (x, y) pairs, where “x” denotes the incremental or decremental quantities of Energy (in MWh) offered by the SC and “y” denotes the corresponding price (in \$/MWh) for the incremental or decremental quantities of Energy. DSTAR shall construct a Energy bid curve from this data by linearly interpolating between these pairs of points. The submitted Energy bid curve data must enable DSTAR to create a monotonically non-decreasing Energy bid curve.
- h) All required NERC/WSCC tagging information and Transmission Rights ID information must be submitted.

B.1.8.2.2 Provision of Ancillary Services Resource Data

By 1200 of the day prior to the Trading Day, each SC must submit the following information for each physical Resource or Portfolio Resource that is to be scheduled as self-provided or submitted as an Ancillary Service bid by the SC, for each Settlement Period of the Trading Day:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) Resource ID. (For individual Resources, the Resource ID is the specific Generating Unit ID code, Dispatchable Demand ID code, or individual import or export; for a Portfolio Resource, the Resource ID is the SC ID plus a two-digit number selected by the SC.)
- d) Ancillary Service type (Regulation, Spinning Reserve, Non-Spinning Reserve, Load Following Up, Load Following Down, Congestion Redispatch, or Supplemental Energy).
- e) Congestion Zone in which the Resource is located.
- f) Capacity bid (\$/MW, or code SP for self-provision) for each Settlement Period. (Note: for Congestion Redispatch and Supplemental Energy, this price is deemed to be zero (\$0/MW).)
- g) Hourly bid quantity for each Ancillary Service, in MW, for each Settlement Period.
- h) Energy bid curve data for each Settlement Period.
- i) Scheduling Point and external Control Area ID, if imports or exports are used to provide the service. See Appendix D for limits on importing or exporting Ancillary Services due to technical feasibility.
- j) All Transmission Rights ID information (see Section B.1.8.1.8).
- k) If applicable, a flag indicating whether the SC desires that the bid be transferred to the auction for a lower quality Ancillary Service, if the bid is not accepted for the specified Ancillary Service, and which lower quality Ancillary Services. The order in which DSTAR will analyze Ancillary Services is Regulation, Load Following Up, Load Following Down, Congestion Redispatch, Spinning Reserve, Non-Spinning Reserve, and Supplemental Energy.

B.1.8.2.3 Inter-Scheduling Coordinator Ancillary Services Trades

By 1200 of the day prior to the Trading Day, each SC must submit the following information for each Ancillary Service that the SC desires to Schedule as an inter-SC trade to or from another SC:

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day, Settlement Period, and whether information is being submitted as part of the Day-Ahead Scheduling Process or the Schedule Adjustment Process.
- c) ID of the SC that is counter-party to the inter-SC trade.
- d) Congestion Zone ID, designating the Congestion Zone, including the portion of a Congestion Zone that is part of a Self-Tracking System, in which the inter-SC trade is deemed to take place.
- e) Ancillary Service type (Regulation, Load Following Up, Load Following Down, Congestion Redispatch, Spinning Reserve, Non-Spinning Reserve, or Supplemental Energy).
- f) Hourly schedule, in MW, for each Settlement Period. Inter-SC Trades from the SC are reported as positive quantities and inter-SC trades to the SC are reported as negative quantities.

B.1.9 DSTAR VALIDATION OF SCs' SCHEDULES AND BIDS

- a) Between 1200 and 1230 of the day prior to the Trading Day, DSTAR shall validate all of the data submitted by each of the SCs in the Day-Ahead Scheduling Process, as described in Section B.3. DSTAR shall provide the SCs with an opportunity to submit corrected information during this period.
- b) At 1230 of the day prior to the Trading Day, DSTAR shall perform a final validation of the data submitted by the SCs. Any remaining discrepancies or mismatches shall be adjusted by DSTAR in accordance with Section B.3.

B.1.10 DSTAR DAY-AHEAD ANCILLARY SERVICES PROCUREMENT PROCESS

At 1230 of the day prior to the Trading Day, DSTAR shall conduct its day-ahead Ancillary Services procurement process, as described in Appendix D.

B.1.11 DSTAR NOTIFICATION OF SELECTED ANCILLARY SERVICES BIDS

At 1235 of the day prior to the Trading Day, DSTAR shall inform each SC of the contractual obligations the SC has undertaken as a result of DSTAR's day-ahead Ancillary Services procurement process. (Note: upon this notification, the SC has taken on binding obligations to perform in regard to both self-provided Ancillary Services and Ancillary Services procured by DSTAR as a result of DSTAR's day-ahead Ancillary Services procurement process.) As described in Section B.1.12, if an SC has submitted information using Portfolio Resources, the SC must convert its Portfolio Resources to Resource-specific Schedules that are consistent with these contractual obligations.

B.1.12 CONVERSION OF PORTFOLIO RESOURCES AND DETAILS OF FINAL ANCILLARY SERVICE SCHEDULES

By 1300 of the day prior to the Trading Day, each SC must submit to DSTAR, for each Resource and Portfolio Resource, the following Resource-specific Ancillary Services Schedules for each Settlement Period of the Trading Day. This data must be consistent with the data provided by DSTAR to the SCs at 1235 and must replace any Portfolio Resource information with specific Resource information.

- a) SC ID.
- b) Settlement Period ID: specifies Trading Day and Settlement Period.
- c) Generating Unit ID, Dispatchable Demand ID, import or export.
- d) Ancillary Service type (Regulation, Load Following Up, Load Following Down, Congestion Redispatch, Spinning Reserve, Non-Spinning Reserve, or Supplemental Energy) and Congestion Zone.
- e) Designated operating point (MW) for each Settlement Period or ten-minute interval, as appropriate.
- f) Scheduling Point and external Control Area ID (if an import or export is used to provide the Ancillary Service).
- g) All Transmission Rights ID information (see Section B.1.8.1.8).
- h) All required NERC/WSCC tagging information.

The requirements indicated above, with respect to provision of specific Resource information to replace Portfolio Resource information, also apply to Generating Units that consist of a group of individual units with a common connection point and meter and where the ability of the Generating Unit to meet its Ancillary Service obligations depends on the actual operation of the individual units that combine to form the Generating Unit. In such situations, DSTAR must be provided with information on the individual units, and must be able to monitor the operation of the individual units, that constitute the Generating Unit.

B.1.13 DSTAR FINAL VALIDATION AND COMPLETION OF DAY-AHEAD OPERATING PLAN

- a) Between 1300 and 1400 of the day prior to the Trading Day, DSTAR shall:
 - i) Perform a final validation of the data submitted by the SCs.
 - ii) Identify Intra-Zonal Congestion problems and address through Congestion Redispatch bids, as described in Appendix A.
 - iii) Identify any adjustments needed in the scheduled operating levels of Generating Units or Dispatchable Demands that will provide Ancillary Services.
- b) By 1400 of the day prior to the Trading Day, DSTAR shall notify each SC of:
 - i) Any adjustments to the SC's Schedules necessary to address Intra-Zonal Congestion, as described in Appendix A.
 - ii) Any known Ancillary Services DSTAR requires from specific Generating Units or Dispatchable Demands in accordance with procedures as set forth in Appendix C.

- iii) That SC's final Day-Ahead Schedule for Energy and Ancillary Services.
- c) If adjustments made by DSTAR in accordance with Section B.1.13.b.ii above result in an unbalanced Schedule for one or more SCs, the affected SCs must accommodate these Schedule changes by submitting revisions to their schedules in the Schedule Adjustment Process.
- d) At 1400 of the day prior to the Trading Day, DSTAR shall also post to the DSTAR Website any additional NTRs that can be made available as a result of the uses of FTR Interfaces and Scheduling Points scheduled during the Day-Ahead Scheduling Process (i.e., available due to the scheduling of counterflows, Operating Reserve Ancillary Services, etc.).
- e) Also at 1400 of the day prior to the Trading Day, DSTAR shall post to the DSTAR Website the non-confidential details of the initial Operating Plan for the Trading Day. These details shall be updated periodically as conditions change during the Schedule Adjustment Process.
- f) 1400 constitutes the end of the Day-Ahead Scheduling Process and the start of the Schedule Adjustment Process.

B.1.14 CONTROL AREA CHECKOUT

- a) At 1400 of the day prior to the Trading Day, DSTAR shall begin the process of coordinating with adjacent non-DSTAR Control Areas to verify that the net Schedules between the DSTAR Control Area and such other non-DSTAR Control Areas are consistent for each Scheduling Point. If there are discrepancies, DSTAR and the other Control Areas shall examine individual inter-Control Area Schedules for inconsistencies. If the other Control Area's records are determined to be correct, DSTAR shall notify the affected SC. The affected SC must correct its Schedule in the Schedule Adjustment Process.
- b) Upon completion of the Control Area checkout process, DSTAR shall calculate net Schedules for each DSTAR Congestion Zone or portion of a Congestion Zone that is part of a Self-Tracking System and a daily Operating Plan for each of the DSTAR Congestion Zones and transfer the information that they are entitled to see to the DSTAR AOCs and ROCs. In no event shall such information include Energy or capacity prices or bids.

B.2 SCHEDULE ADJUSTMENT PROCESS

B.2.1 OVERVIEW

- a) The Schedule Adjustment Process commences immediately upon completion of the Day-Ahead Scheduling Process and normally ends sixty (60) minutes prior to the start of the associated Settlement Period.
- b) The Schedule Adjustment Process is an ongoing, continuous process, within which DSTAR shall process all SCs' requests for Schedule changes as they are received by DSTAR, on a first-come, first-served basis.
- c) Attachment B-1 of this Appendix contains a graphical depiction of the Schedule Adjustment Process timeline.

B.2.2 DSTAR APPROVAL OF SCHEDULE CHANGES

- a) An SC's request to change any portion of its Schedules shall be automatically approved by DSTAR provided that:
 - i) there is sufficient time for DSTAR to evaluate the impacts of the proposed Schedule change;
 - ii) the proposed Schedule change would neither increase Intra-Zonal Congestion (see Section B.2.2.b) nor create a DSTAR Grid security problem;
 - iii) these changes result in a Balanced Schedule;
 - iv) the request is consistent with the SC's Transmission Rights (FTRs, RTRs, NTRs and/or NCRs); and
 - v) the request is consistent with the SC's commitments for self-provided Ancillary Services and Ancillary Service commitments to DSTAR.

A Schedule change request that does not meet these criteria, except as described in Section B.2.2.b, shall be rejected and the SC shall be notified immediately. An SC may resubmit a new Schedule change request for any Settlement Period at any time prior to the end of the Schedule Adjustment Process for that Settlement Period.

- b) DSTAR will accept a proposed Schedule change that causes Intra-Zonal Congestion to the extent that there: i) are sufficient Congestion Redispatch bids available in the necessary locations to eliminate the Intra-Zonal Congestion; and ii) is sufficient time within which to implement the necessary arrangements, including sufficient time for DSTAR to "quote" to the SC the estimated cost of activating the Congestion Redispatch bids and for the SC to accept such cost estimate. The costs associated with implementing such a Schedule change shall be charged to the SC requesting such Schedule change, in accordance with the provisions of Appendix D, Ancillary Services.
- c) A proposed Schedule change shall specify the desired revised operating points of Generating Units, revised Demands, revised import Schedules and/or export Schedules, or revised levels of inter-SC trades and shall include all the details contained in Section B.1.8 for submittal of Schedules during the Day-Ahead Scheduling Process.
- d) DSTAR's acceptance of a Schedule change request shall not change an SC's obligation to provide Ancillary Services that the SC has already committed to provide to DSTAR in the Day-Ahead Scheduling Process or the Schedule Adjustment Process. However, DSTAR shall allow the redesignation of Resources that were scheduled to provide Ancillary Services, provided that the redesignated Resources provide the same Ancillary Services to DSTAR in the same Congestion Zone and provided that the SC shall be responsible for any costs incurred by DSTAR or the SC in connection with the change.
- e) If an SC's Schedule change is approved by DSTAR, the SC may be required to submit additional NERC/WSCC tags and/or Transmission Rights information.
- f) DSTAR shall coordinate with non-DSTAR Control Areas to verify that the net Schedules between DSTAR and such Control Areas remain consistent upon DSTAR's acceptance of the requested Schedule change. If there are discrepancies, DSTAR and the non-DSTAR Control Areas shall examine individual inter-Control Area Schedules for inconsistencies. If the non-DSTAR Control Area's records are determined to be correct, DSTAR shall notify the affected SC, the affected SC's Schedule shall be changed by DSTAR to conform with the other Control Area operator's net Schedule, and the SC must either resubmit a

corrected Schedule change or be responsible for the Balancing Energy charges and, if applicable, penalties prescribed in Appendix D.

B.2.3 TIMING OF SCHEDULE CHANGES

DSTAR shall normally accept Schedule changes submitted by an SC up to sixty (60) minutes prior to the start of the Settlement Period. However, when there would be insufficient time for an SC to reasonably respond to unplanned Outages of Generating Units or Transmission Facilities, DSTAR may waive the deadline for submitting Schedule changes in response to such Outages or changes. This sixty (60) minute time limit may be changed periodically as required by changes in NERC and WSCC transaction tagging requirements and/or to minimize scheduling differences with other RTOs.

B.2.4 ANCILLARY SERVICES PROCUREMENT

DSTAR shall begin its post-day-ahead Ancillary Services procurement process, an ongoing process described in Appendix D, immediately following the end of the Day-Ahead Scheduling Process.

B.2.5 RECALL OF RTRs

- a) The holder of an FTR, or an NCR with compatible scheduling times, that was not scheduled in the Day-Ahead Scheduling Process and that was sold as an RTR is entitled to recall the FTR or NCR during the Schedule Adjustment Process at any time prior to two (2) hours before the start of the Settlement Period by submitting a Schedule change that schedules the use of the FTR and/or NCR.
- b) DSTAR shall identify those RTRs that must be recalled in response to the scheduling during the Schedule Adjustment Process of FTRs and/or NCRs that had not been previously scheduled and had been sold as RTRs. RTRs shall be recalled based on the prices paid for the RTRs, as specified in Appendix A. Amounts paid for the RTR will be refunded when the RTR is recalled.
- c) An SC whose RTRs have been recalled must submit a revised Balanced Schedule to DSTAR within the timelines specified in this Appendix.

B.2.6 ADDITIONAL ANCILLARY SERVICES BIDS

Additional Ancillary Services bids may be submitted to DSTAR up to thirty (30) minutes prior to the start of a Settlement Period. During the Schedule Adjustment Process, Ancillary Services bids from Portfolio Resources are not allowed.

B.2.7 WITHDRAWAL OF ANCILLARY SERVICES BIDS

An Ancillary Services capacity or Energy bid that has not been selected by DSTAR may be withdrawn at any time prior to DSTAR's notification to the SC that such bid has been accepted/selected by DSTAR.

B.2.8 REVISED OPERATING PLANS TO DSTAR AOCs AND ROCs

DSTAR may provide revised Operating Plans to the DSTAR AOCs and ROCs during the course of the Schedule Adjustment Process, as necessary. By the end of the Schedule Adjustment Process, DSTAR shall provide the details that they are entitled to see of the final

Operating Plans to the DSTAR AOCs and ROCs. Such final Operating Plans may be updated by DSTAR after the end of the Schedule Adjustment Process, as circumstances warrant. The non-confidential details of the initial Operating Plan and all revised Operating Plans will be posted on the DSTAR Website.

B.2.9 CONTROL AREA CHECKOUT

- a) At the time prior to the start of each Settlement Period that is consistent with the requirements of the WSCC, DSTAR shall coordinate with adjacent non-DSTAR Control Areas to verify that the net Schedules between the DSTAR Control Area and such other non-DSTAR Control Areas are consistent for each Scheduling Point. If there are discrepancies, DSTAR and the other Control Areas shall examine individual inter-Control Area Schedules for inconsistencies. If the other Control Area's records are determined to be correct, DSTAR shall notify the affected SC and shall use the corrected Schedule with the other Control Area(s). This may result in the SC experiencing higher Balancing Energy requirements.
- b) Upon completion of the Control Area checkout process, DSTAR shall calculate net Schedules for each DSTAR Congestion Zone or portion of a Congestion Zone that is part of a Self-Tracking System and a final Operating Plan for the Settlement Period for each of the DSTAR Congestion Zones and transfer the information that they are entitled to see to the DSTAR AOCs and ROCs. In no event shall such information include Energy or capacity prices or bids.

B.3 VALIDATION OF SCHEDULING DATA SUBMITTED BY SCs

B.3.1 OVERVIEW

- a) DSTAR shall perform validation of each SC's data as it is submitted during the Day-Ahead Scheduling Process and Schedule Adjustment Process. DSTAR shall immediately notify each SC of successful validation and of any errors detected by DSTAR. SCs shall be given the ability to respond as described below.
- b) In the event that discrepancies or mismatches remain at the conclusion of the DSTAR data validation process, DSTAR may adjust an SC's Schedules in accordance with this Section B.3. Such adjustments may result in changes to an SC's scheduled Demand or Generating Unit output, rejections of FTR/RTR/NTR/NCR Schedules, rejections of inter-SC Energy trades or Ancillary Services trades, and/or rejections of bids or self-provision of Ancillary Services. In making such adjustments, DSTAR shall make best efforts to take those actions that generally result in the least disruption to the scheduling process. Unless they are the result of gross negligence or willful action by DSTAR, DSTAR shall not be responsible for any financial consequences (e.g., for penalties for Demand deviations and/or Balancing Energy as described in Appendix D, loss of use of FTR Interfaces, Scheduling Points, etc.) that may result from adjustments made in accordance with this Section B.3. SCs shall be assessed Demand deviation penalties for significantly under-scheduling or over-scheduling of Demand during the Day-Ahead Scheduling Process and Balancing Energy penalties for over-consumption or over-production of Balancing Energy in Real-Time in accordance with Appendix D.

B.3.2 DAY-AHEAD SCHEDULING PROCESS: VALIDATION

B.3.2.1 FTR and NCR Notification Process (0900 Day-Ahead)

Upon receipt of the SCs' notices of intents to schedule FTRs and NCRs with scheduling times consistent with DSTAR's scheduling requirements, DSTAR shall use the information provided on DSTAR's Website to verify that each SC who schedules the use of an FTR and/or such NCR is authorized to do so (Appendix A requires FTR transactions in the secondary market to be submitted to DSTAR using standardized transfer of ownership receipts if such transfers are to be recognized by DSTAR in the validation process). In the event that DSTAR receives an invalid notice from an SC, DSTAR shall immediately notify the affected SC and attempt to resolve any discrepancy as described in Appendix A. No FTR and/or NCR Schedules will be accepted by DSTAR without valid FTR and/or NCR ID numbers.

B.3.2.2 NCR Scheduling Process (Ongoing)

- a) As NCR Schedules are submitted for NCRs with scheduling times that are inconsistent with DSTAR's scheduling requirements, DSTAR shall confirm that the proper NCR ID numbers have been submitted. If invalid NCR ID numbers have been submitted, DSTAR shall immediately notify the SC. No NCR Schedules will be accepted by DSTAR without valid NCR ID numbers.
- b) As all NCR Schedules are submitted, DSTAR shall validate that the Schedules are consistent with the terms of the NCR Instructions, including the deadlines specified within the associated NCR Instructions. DSTAR shall notify the SC of any discrepancies, and the SC must correct the problem within thirty (30) minutes of notification.

B.3.2.3 Minimum Requirements for Self-Provision of Ancillary Services (1200 Day-Ahead)

For SCs that choose to self-provide Ancillary Services, the following apply:

- a) For each Ancillary Service, other than Non-Spinning Reserve, an SC must self-provide a quantity of the Ancillary Service that is greater than or equal to the net of the SC's inter-SC sale of the Ancillary Service to other SCs, using Resources for which the selling SC is the Scheduling Coordinator (i.e., a selling SC cannot utilize Ancillary Services purchased from DSTAR to provide Ancillary Services to another SC).
- b) For Non-Spinning Reserves, an SC must self-provide a quantity of Non-Spinning Reserve that is greater than or equal to the net of the SC's inter-SC sale of Non-Spinning Reserves to other SCs *plus* the quantity of the SC's interruptible imports *plus* the quantity of the SC's on-demand exports, using Resources for which the selling SC is the Scheduling Coordinator (i.e., a selling SC cannot utilize Non-Spinning Reserve purchased from DSTAR to provide Non-Spinning Reserve to another SC, to cover its interruptible imports, or to cover its on-demand exports.).
- c) DSTAR shall promptly notify an SC if its Schedules do not meet the minimum requirements specified in this Section. SCs must correct any scheduling errors within thirty (30) minutes of notification by DSTAR. Should the Schedules that are resubmitted by an SC not meet the minimum requirements specified in this Section, DSTAR may reduce or reject an SC's Schedules for inter-SC sales of Ancillary Services to other SCs, interruptible imports and/or on-demand exports.

B.3.2.4 Unbalanced Schedules Resulting From Validation (1200 Day-Ahead)

DSTAR shall verify that each SC's scheduled: i) output from Generating Units; ii) Demand; iii) share of Transmission and Distribution Losses; iv) imports; v) exports; and vi) inter-SC Energy trades nets to zero (0) in each Congestion Zone or portion of a Congestion Zone that is part of a Self-Tracking System. DSTAR shall promptly notify SCs whose Schedules are not balanced. SCs must correct any scheduling errors within thirty (30) minutes of notification by DSTAR.

B.3.2.4.1 DSTAR Adjustments to Unbalanced Schedules

- a) In the event that the adjustments above have been made and an unbalanced Schedule remains, DSTAR shall balance that Schedule by adjusting, in the following order, the SC's scheduled: i) Demand; ii) output from Generating Units; iii) exports; iv) imports; and v) inter-SC Energy trades.
- b) DSTAR shall notify each SC whose Schedules have been adjusted as to the adjustments in its Schedules.

B.3.2.4.2 Inter-SC Energy Trade Mismatches

DSTAR shall remedy mismatches in inter-SC Energy trades as follows:

- a) If DSTAR detects a mismatch in the scheduled quantities or locations for an inter-SC Energy trade, DSTAR shall promptly notify both the receiving SC and sending SC that a mismatch exists and shall allow them thirty (30) minutes to resolve the mismatch and to submit modified Schedules.
- b) If the SCs are unable to resolve the mismatch in the allotted time and there is no dispute as to whether the trade occurred or over its location, then DSTAR shall adjust the SCs' Schedules in accordance with the following procedure: DSTAR shall determine which Schedule contains the higher scheduled quantity of Energy for the inter-SC trade and shall reduce it so that it is equal to the lower scheduled quantity of Energy. However, if the Schedule specifying the higher scheduled quantity of Energy contains only inter-SC trades, DSTAR shall increase the Schedule specifying the lower quantity of Energy so that it is equal to the higher scheduled quantity of Energy.
- c) If the SCs are unable to resolve the mismatch and there is a dispute between the SCs as to whether the trade occurred or over its location, DSTAR shall remove the disputed trade from the SC Schedules in which it appears.
- d) As a consequence of the adjustments under b) or c) above, SCs whose Schedules have been adjusted for Energy will no longer have Balanced Schedules. DSTAR shall balance such Schedules by adjusting, in the following order, the SCs' scheduled: i) Demand; ii) exports; iii) imports; iv) output from Generating Units; and v) other inter-SC Energy trades.
- e) DSTAR shall notify each SC whose Schedules have been adjusted as to the adjustments in its Schedules.

B.3.2.5 Inter-SC Ancillary Services Trade Mismatches (1200 Day-Ahead)

DSTAR shall remedy mismatches in inter-SC Ancillary Service trades as follows:

- a) If DSTAR detects a mismatch in the Ancillary Service type, scheduled quantities or locations for an inter-SC Ancillary Service trade, DSTAR shall promptly notify both the

receiving SC and sending SC that a mismatch exists and shall allow them thirty (30) minutes to resolve the mismatch and to submit modified Schedules.

- b) If the SCs are unable to resolve the mismatch in the allotted time and there is no dispute as to whether the trade occurred or over its location or Ancillary Service type, then DSTAR shall adjust the SC's Schedules to make each SC's trade quantity equal to the lower scheduled quantity of the specific Ancillary Services.
- c) If the SCs are unable to resolve the mismatch and there is a dispute between the SCs as to whether the trade occurred or over its location or Ancillary Service type, DSTAR shall remove the disputed trade from the SC Schedules in which it appears.
- d) DSTAR shall notify each SC whose Schedules have been adjusted as to the adjustments in its Schedules.

B.3.2.6 Inconsistencies between Schedules and Transmission Rights (1200 Day-Ahead)

DSTAR shall accept Schedules only for the portion of the Schedule for which the necessary Transmission Rights have been submitted. The remainder of the Schedule shall be rejected.

B.3.2.7 Resource-Specific Ancillary Services Bids and Schedules (1300 Day-Ahead)

DSTAR shall verify that an SC's conversion of Portfolio Resources and, if applicable Generating Unit information (see Section B.1.12), to Resource-specific data meets the following requirements:

- a) The Resource-specific information provided by each SC is consistent with the locations and sums of the accepted Portfolio Resources;
- b) The pricing information is consistent with that submitted during the Portfolio Resource bidding stage; and
- c) Each Resource has the capability to provide both its scheduled Energy and each of its scheduled Ancillary Services. If there is a discrepancy between a Resource's capability and the amount of Ancillary Services being provided, DSTAR shall promptly notify the SC in order to correct the problem. If the discrepancy is not corrected by the SC within thirty (30) minutes, DSTAR shall reduce the amount of Ancillary Services being provided from the Resource and shall notify the SC as to which Ancillary Service DSTAR has rejected. DSTAR shall replace this Ancillary Service by procuring it during the Schedule Adjustment Process in accordance with DSTAR's post-day-ahead Ancillary Services procurement process as described in Appendix D, and the SC responsible for the rejected Resource shall be charged the full cost of procurement.

B.3.2.8 Final Day-Ahead Schedule (1400 Day-Ahead)

DSTAR shall verify, at the close of the Day-Ahead Scheduling Process, that each SC's Schedule satisfies the requirements specified in Sections B.3.2.4, B.3.2.5 and B.3.2.6. An SC whose Schedule does not satisfy any one or more of these requirements shall be given ten (10) minutes to remedy the problem. If the resulting Schedule does not meet the requirements, DSTAR shall take the actions prescribed in Sections B.3.2.4, B.3.2.5 and/or B.3.2.6 to ensure that the final Day-Ahead Schedule satisfies all of DSTAR's requirements.

B.3.3 SCHEDULE ADJUSTMENT PROCESS: VALIDATION

DSTAR shall verify that any Schedule changes submitted by SCs in the Schedule Adjustment Process result in a Schedule that continues to meet the requirements specified for Schedules submitted in the Day-Ahead Scheduling Process. An SC whose Schedule change does not satisfy any of DSTAR's requirements shall be given ten (10) minutes to remedy the problem. If the resulting Schedule does not meet DSTAR's requirements, DSTAR shall reject, without prejudice, the SC's proposed change to its Schedule.

B.3.4 AVAILABILITY OF DSTAR DATA VALIDATION RULES AND SOFTWARE

DSTAR shall make copies of DSTAR's validation rules and validation software available to the SCs to enable SCs to pre-validate their data.

B.4 CONFIDENTIALITY OF DATA

DSTAR shall under no circumstance publish or otherwise make available any commercially-sensitive SC-specific data, including an individual SC's Schedules or bids, except as may be required to comply with regulatory orders or Appendix H, Market Monitoring. In such cases, commercially-sensitive data shall be made available in accordance with the requirements of the DSTAR tariff and Appendix H, subject to the terms of any confidentiality agreements.

B.5 PUBLICATION OF DSTAR DATA ON DSTAR WEBSITE

Transmission system data, system Demand data, DSTAR forecasts, clearing prices, aggregated market data and other information shall be published on the public section of DSTAR Website in accordance with Appendix I, DSTAR Website.

B.6 TEMPORARY DEVIATIONS FROM SCHEDULING PROCEDURES

- a) If DSTAR is unable to comply with any of the deadlines specified in this Appendix, DSTAR may temporarily deviate from the requirements of this Appendix to the extent necessary to ensure the secure operation of the DSTAR Grid. Temporary measures may include variation of the timing requirements specified in this Appendix or omission of one or more procedures in the scheduling process. In such an event, DSTAR shall immediately notify all SCs of the following:
 - i) Details of the affected timing requirements and procedures;
 - ii) Details of any interim requirements;
 - iii) An estimate of the period for which the interim requirements will apply; and
 - iv) Reasons for the temporary variation.
- b) If, despite the variation of any time requirement or the omission of any step, DSTAR is unable to operate the Day-Ahead Scheduling Process, DSTAR may abort the Day-Ahead Scheduling Process and require all Schedules to be submitted in the Schedule Adjustment Process.
- c) If, despite the variation of any time requirement or omission of any step, DSTAR is unable to operate the Schedule Adjustment Process, DSTAR may abort the Schedule Adjustment Process and operate under its Real-Time operations Protocols (Appendix C).

Two Days Ahead (Day-Ahead Scheduling Process)			One Day Ahead (Day-Ahead Scheduling Process)						
1500	1600	1615	0600	0630	0655	0700	0730	0735	0800
Day-Ahead Scheduling Process begins	DSTAR runs FTR auction	FTR auction results posted by DSTAR	Forecast update posted by DSTAR	DSTAR requests unit commitment information from SCs (if applicable)	SCs provide DSTAR with requested unit commitment information	DSTAR posts Load Pocket condition notice (if applicable)	SCs request required Generation from DSTAR (if applicable)	DSTAR posts required Load Pocket Energy and solicits bids	DSTAR runs auction for Load Pocket Generation (if applicable)
System forecast posted by DSTAR			LGR Demand vs. imports assessment by DSTAR					DSTAR accepts bids until 0800	
Available FTRs posted by DSTAR									
DSTAR accepts bids until 1600									

One Day Ahead (Day-Ahead Scheduling Process)(Continued)									
0830	0900	0905	0930	0935	1200	1230	1235	1300	1400
DSTAR allocates auction Energy (if applicable)	SCs submit declaration of intent to schedule FTRs	Quantities of RTRs posted by DSTAR	DSTAR runs RTR auction	RTR auction results posted by DSTAR	SCs submit Balanced Schedules	Validation of Schedules by DSTAR	Ancillary Services auction results posted by DSTAR	SCs specify Ancillary Services Resources	Additional NTRs posted by DSTAR
DSTAR calculates preliminary market clearing price (if applicable)	SCs submit declaration of intent to schedule NCRs, if applicable	DSTAR accepts bids for RTRs until 0930		Available NTRs posted by DSTAR	SCs submit self-provided Ancillary Services	Validation of Ancillary Services bids by DSTAR		Intra-Zonal Congestion identification by DSTAR	Control Area checkout by DSTAR
					SCs submit Ancillary Services bids	DSTAR's procurement of Ancillary Services		Intra-Zonal Congestion mitigation by DSTAR	DSTAR's transfer of final Day-Ahead Schedules
								Final validation by DSTAR	Day-Ahead Scheduling Process ends

Schedule Adjustment Process	Trading Day (Real-Time)			
The Schedule Adjustment Process starts from the close of the Day-Ahead Scheduling Process and runs to the deadline times shown for the Trading Day (Real-Time) with respect to each Settlement Period	T = -120 Minutes	T = -60 Minutes	T = -30 Minutes	T = 0 Minutes
	Deadline for SC's to recall FTRs and/or NCRs (RTRs are now firm)	Normal end of Schedule Adjustment Process (deadline for SC submittal of revised Schedules)	End of Schedule Adjustment Process in cases of specific Outages	Settlement Period T = 0 to T = +60 minutes
			Deadline for Ancillary Services bid submittal by SCs	