

Attachment 1—Specialized Case Request Form

The purpose of this form is to provide details on what information is expected when requesting a specialized case. To request a specialized base case, submit a base case request by emailing this completed form to the SRS liaison, [Logan Affleck](#). Please complete the highlighted sections. If you have questions, you can contact the SRS liaison.

Requested by:

Name: **Ray Ward**

Organization: **WAPA**

Email: **ward@wapa.gov**

Phone: **970-447-6399**

Case Description

Specialized base case requests represent critical operating conditions such as severe weather events, equipment out of service (transmission lines, reactive devices, or static VAr compensators), unusual generation patterns due to forced outages, and insecure voltage conditions. Some cases may represent extreme load conditions (up to 105% of forecast peak) in a particular subregion. Data submitters should not be reluctant to model a condition due to lack of historical record of the scenario occurring.

The requester should detail the critical operating conditions desired in the base case under the Purpose section of the Case Description Form. A specialized request should outline how the case is unique compared to the typical cases produced in the base case compilation schedule. If the request is similar to a case already produced in the compilation schedule, the Case Description Form must clearly identify why a new case is necessary. For example, a two-year heavy winter (HW) case with no specific changes to load, generation, or interchange targets is unlikely to be built since the HW operating case could simply be scaled accordingly.

Requested Completion Date

If applicable, the date and reason the case needs to be completed to be useful for the requester should be provided, so the Base Case Coordinator can determine whether the case can be fit accordingly into the BCCS.

Needed Completion Date [if a specific completion date for the specialized request is needed, please provide it here]: **N/A – Propose to have these developed annually (or on a similar recurring schedule) to support consistency across the Western Interconnection in AFC (former MOD-030) analysis, and similar economic studies that have inherent reliability implications across BA seams.**

Reason for Needed Completion Date: **N/A**

Case Description Details

[Description of details defined in the requested Case Description Sheet]

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LOADS: Load levels refer to the season being studied. All loads are coincident unless indicated otherwise. Please specify load percentage or degree (heavy, light) of loading for a specific season or month(s).

TIME: Specified time supersedes specified percentage of load. Please specify the time the special study wishes to simulate for the WECC interconnection-wide model with the hour range and time zone.

GENERATION: Generation levels refer to the season being studied. For example, high hydro generation in a winter case may be lower than median hydro generation in the spring. Renewable generation, when specified, should be based on the individual entity's Renewable Portfolio Standard. If desired in the requester's special study, please specify the generation dispatch of HYDRO, THERMAL, and RENEWABLE by AREA with HIGH, LOW, or MEDIAN or by percentage.

INTERCHANGE: Interchange schedules refer to the target flows that should be reached to represent anticipated flow levels and direction for the season being studied. Targets may be altered as anticipated operating conditions become more clearly known. If no target flows are specified, actual scheduled transfers will be based on each area's load and generation balance and economical generation dispatch.

If the special study requires it, please specify per area the CONDITION as LIGHT, MODERATE, HEAVY, or MAXIMUM; the TARGET as the desired MW Interchange, with a negative sign indicating reverse flow on the path (Note: Many Path Ratings have different transfer limits depending on the flow direction. Please refer to the WECC Path Rating Catalog.); the % RATING specifies the percentage of the Interchange Transfer Limit Based on the WECC Path Rating Catalog.

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CASE DUE DATES:

(to be completed by SRS and WECC staff)

PURPOSE: Prepare cases reflecting Area-to-Area transmission reservations for interconnection-wide use in performing seasonal AFC studies. Heavy and light summer and winter cases would be appropriate.

The requested cases should be representative of long-term, firm transmission reservations between BAs throughout the Western Interconnection. These should represent reservations that have been subscribed and would be expected to be scheduled in the short-term scheduling horizon, as opposed to unsubstantiated interchange simulations that may be modeled in regional study cases for transmission planning study purposes. The latter causes unrealistic system conditions that effectively simulate reserved transmission capacity that has no supporting reservation and would otherwise show up as AFC on the system. WECC cases available today are developed and evolve for transmission planning purposes and may not provide the most realistic representation of subscribed transmission service for AFC (and related economic) study purposes with reliability implications approaching real-time operations.

ITEMS TO BE PREPARED:		From Case	(TBD)	
		Stability Data	Master Dynamics File	
		Significant Changes	From Existing System	
LOADS:	e.g., X-Y % of (seasonal) peak; xx% seasonal peak 1 in 2 years load.			
TIME:	e.g., 1800 – 2000 hours MST.			
GENERATION:		HYDRO	THERMAL	RENEWABLE
Canada		--	--	--
Northwest		--	--	--
Idaho/Montana		--	--	--
Colorado/Wyoming		--	--	--
Northern California Hydro		--	--	--
Northern California		--	--	--
Southern California		--	--	--
Arizona/New Mexico/Southern Nevada		--	--	--
INTERCHANGE		CONDITION	TARGET	% RATING
Northwest to British Columbia (Path 3)		--	--	--
Northwest to California/Nevada COI (Path 66)		--	--	--

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PDCI (Path 65)	--	--	--
Midway – Los Banos S-N (Path 15)	--	--	--
Idaho to Northwest (Path 14)	--	--	--
Montana to Northwest (Path 8)	--	--	--
Utah/Colorado to Southwest (Path 31, 35, 78)	--	--	--
Southwest to Calif. (EOR Path 49/WOR Path 46)	--	--/--	--/--
Intermountain to Adelanto DC (Path 27)	--	--	--
San Diego to CFE (Path 45)	--	--	--
Northern to Southern California (Path 26)	--	--	--

Requested by:

Name: <<Name>>

Organization: <<Org.>>

Email: <<Email>>

Phone: <<Phone>>

Please provide the following information for the requested disturbance. The format of the following table allows for use of the [WECC Contingency and RAS Definition Standard Format](#).

Disturbance Name	
NERC Category	
Base Case Area	
Time, Object, Actions, Criteria, Criteria Status, and Comment	
Associated Remedial Action Scheme	

<p>Memo (If the requested disturbance is replacing or modifying an existing disturbance, please provide details here)</p>	