



Transmission Services

Transmission Reservations and Scheduling

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Breakout Objective

- Forum for discussion
- Solicit suggestions from Transmission Customers
- Review and evaluate customer feedback



ROC Control Room

- Reliability Coordinator and Transmission Provider Functions 24/7/365
- 6 Operating Consoles



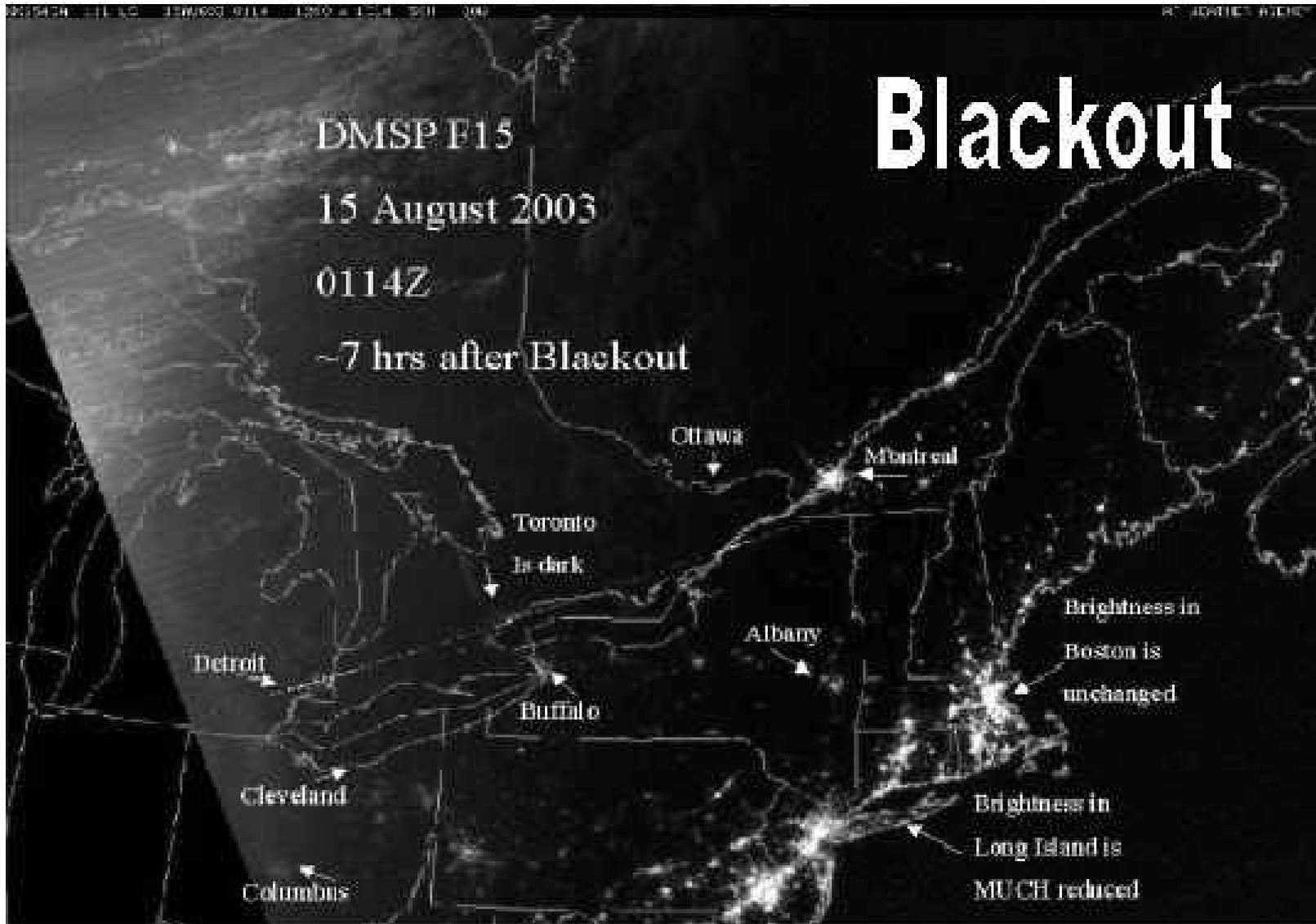


System Operation Center Tag Processing

Transmission
Scheduling
(Tagging)
24/7/365

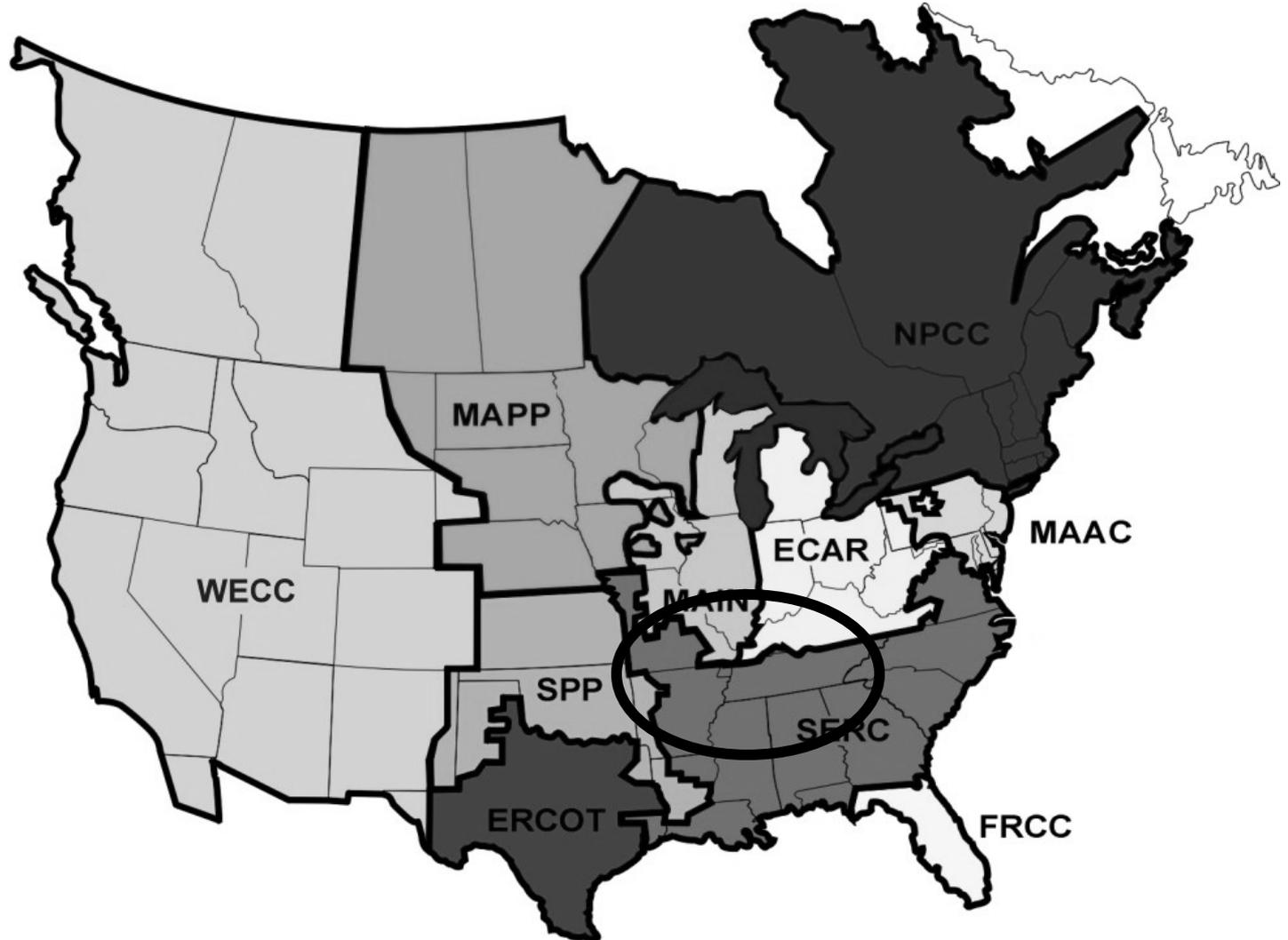


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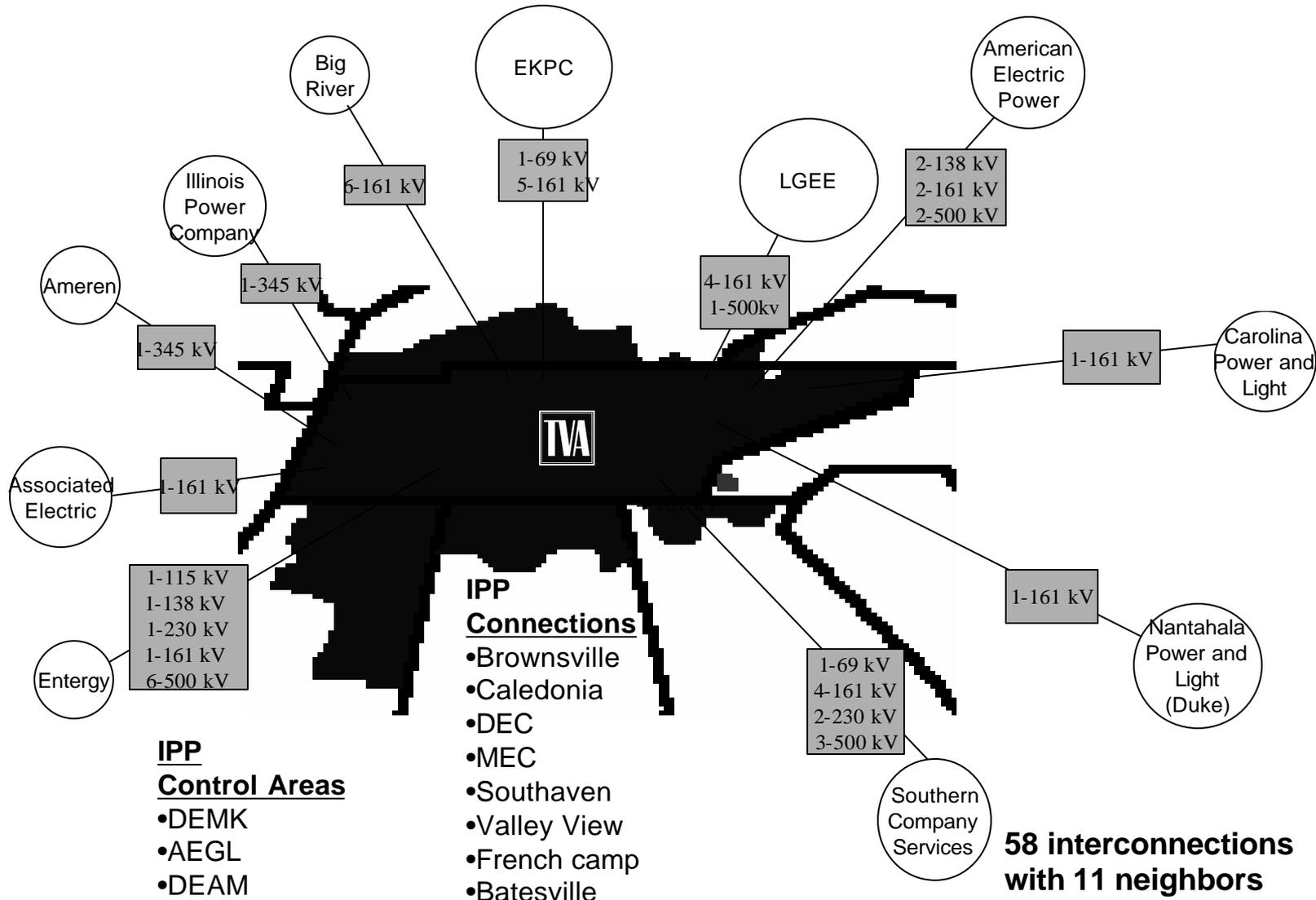


NERC Reliability Regions





Interconnections





TVA's Transmission System Services

- TVA provides transmission service on a nondiscriminatory, as-available basis to eligible customers requiring power transfers out of or through the TVA system. TVA also provides interconnection services to independent power producers consistent with sound reliability practices.



Using the TVA Transmission System

- Using the TVA Transmission System
 - Arrangements for transmission services, including ancillary services, can be made through the Open Access Same-Time Information System (OASIS) under a point-to-point or network transmission service agreement. TVA provides detailed guidelines for customer use in applying for, reserving, and pricing transmission service. For details see:
 - **TVA's Transmission Service Guidelines, 2003 Edition**
 - **Posted on TVA's OASIS website**
 - **Website---<http://www.tva.gov/power/guide2003.pdf>**



TVA Validation Checks

TSR Validation Criteria Detail

Service Type	FDY ServiceId=29 FIRM DAILY FULL_PERIOD FIXED POINT_TO_POINT		
Pass Status	NOCHANGE ▾		
Validation Criteria	Check Flag	Fail Status	Fail Reason
ATC Commit	<input checked="" type="checkbox"/>	NOCHANGE ▾	ATC
ATC Pending	<input type="checkbox"/>	NOCHANGE ▾	ATC Pending
POR/POD	<input checked="" type="checkbox"/>	NOCHANGE ▾	POR/POD
Source/Sink	<input checked="" type="checkbox"/>	NOCHANGE ▾	Source/Sink
Timing	<input type="checkbox"/>	NOCHANGE ▾	Timing
Customer/Service	<input checked="" type="checkbox"/>	NOCHANGE ▾	Customer/Service
Bid Price	<input checked="" type="checkbox"/>	NOCHANGE ▾	BidPrice
Credit Limit	<input type="checkbox"/>	NOCHANGE ▾	Credit Limit
REDIRECT	<input checked="" type="checkbox"/>	NOCHANGE ▾	Redirect/Reassign
RESALE	<input checked="" type="checkbox"/>	NOCHANGE ▾	RESALE
Customer\SourceSink	<input checked="" type="checkbox"/>	NOCHANGE ▾	Customer/TVA SourceSink
<input type="button" value="Enter"/> <input type="button" value="Reset"/> <input type="button" value="Close"/>			



ATC Validation

- ATC (committed) Validation
- Available transmission capacity considering TSR commitments that confirmed or accepted
- 2 hour limit on accepted TSR before retraction
- TVA has average of 20 TSR's per day retracted
- ATC posted daily or as needed



Timing Validation

Timing Validation – Remember TVA requires hourly
TSR's preconfirmed

OATI webOASIS - Microsoft Internet Explorer provided by TVA IE 6.0

Reservation Entry Form V1.4

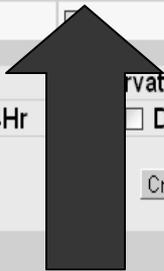
TVA

Seller	Source Sink *	POR POD	Service *	Request Type	Start << >> C	Stop << >> C	MW	Bid Price
TVA				ORIGINAL	10/08/2003 16:00 CD	10/08/2003 17:00 CD		<input type="button" value="Get Price"/>

Customer: TVA Path * Preconfirmed

Posting Ref	<input type="text"/>
Sale Ref	<input type="text"/>
Deal Ref	<input type="text"/>
Request Ref	<input type="text"/>
Related Ref	<input type="text"/>
Comment	<input type="text"/>
Anc-Link	<input type="text"/>
Status Notification	<input type="text"/>

Reservation Profile
 25Hr 24Hr D W M Y Other





Timing Validation

- TVA also validates timing for sensibility (ie; Hourly requests do not exceed 1 day, Daily requests do not exceed 1 week, etc.)
- TVA Transmission Energy Scheduler (TES) can be set up different timing requirements as needed, primarily to catch data entry errors
- Timing Validation failure does not auto invalidate, simply a sensibility flag.
- Suggestions?



Firm Service Confirmation Time

- Firm
 - Daily < 24hrs, 2 hr limit
 - Daily > 24hrs, 24hr limit
 - Weekly 48hr limit
 - Monthly 4 day limit
- Non Firm
 - Require 30 minutes prior to start or service, otherwise as can be accomadated.



Price Validation

OATI webOASIS - Microsoft Internet Explorer provided by TVA IE 6.0

Reservation Entry Form V1.4

TVA

Seller	Source * Sink *	POR POD	Service *	Request Type	Start << >> C	Stop << >> C	MW	Bid Price <input type="button" value="Get Price"/>
TVA				ORIGINAL	10/08/2003 16 : 00	10/08/2003 17 : 00		

Customer: TVA Path *

Posting Ref	<input type="text"/>
Sale Ref	<input type="text"/>
Deal Ref	<input type="text"/>
Request Ref	<input type="text"/>
Related Ref	<input type="text"/>
Comment	<input type="text"/>
Anc-Link	<input type="text"/>
Status Notification	<input type="text"/>

Reservation Profile
 25Hr 24Hr H D W M Y Other



Redirect Validation

Transmission Usage for Assignment Ref: 70043181 CONFIRMED
(2003-09-28 00:00 to 2003-10-05 00:00 CD)

TP TVA Assign 70043181 Tag Status ALL Time Last Week

Available Megawatts

(Ref: 70043181 TP:TVA TZ:CD Tag Status:ALL)

Reduction Profile

(Reductions against reservation: 70043181)

Start Time	Stop Time	Original MW	Available MW	Assign Ref / Tag Code	Start Time	Stop Time	Reduction (MW)	Reduction Reason
2003-01-01 01:00	2003-10-02 04:00	209.00	<u>209.00</u>	<u>70105701</u>	2003-10-02 09:00	2003-10-02 10:00	65.00	Redirect-Confirmed
2003-10-02 04:00	2003-10-02 05:00	209.00	<u>109.00</u>	<u>70105707</u>	2003-10-02 09:00	2003-10-02 10:00	65.00	Redirect-Confirmed
2003-10-02 05:00	2003-10-02 06:00	209.00	<u>9.00</u>	<u>70105724</u>	2003-10-02 10:00	2003-10-02 11:00	65.00	Redirect-Confirmed
2003-10-02 06:00	2003-10-02 09:00	209.00	<u>209.00</u>	<u>70105728</u>	2003-10-02 11:00	2003-10-02 12:00	65.00	Redirect-Confirmed
2003-10-02 09:00	2003-10-02 12:00	209.00	<u>144.00</u>	<u>70105481</u>	2003-10-03 00:00	2003-10-06 00:00	200.00	Redirect-Confirmed
2003-10-02 12:00	2003-10-02 15:00	209.00	<u>209.00</u>	<u>WAL5112</u>	2003-10-02 04:00	2003-10-02 05:00	100.00	Tag Creation-Approv
2003-10-02 15:00	2003-10-02 16:00	209.00	<u>109.00</u>	<u>WAL5113</u>	2003-10-02 05:00	2003-10-02 06:00	200.00	Tag Creation-Approv
2003-10-02 16:00	2003-10-02 17:00	209.00	<u>34.00</u>	<u>TVALP03</u>	2003-10-02 15:00	2003-10-02 16:00	100.00	Tag Correction-Pendin
2003-10-02 17:00	2003-10-02 18:00	209.00	<u>59.00</u>	<u>TVALP04</u>	2003-10-02 16:00	2003-10-02 17:00	175.00	Tag Creation-Approv
2003-10-02 18:00	2003-10-02 19:00	209.00	<u>109.00</u>	<u>TVALP05</u>	2003-10-02 17:00	2003-10-02 18:00	150.00	Tag Creation-Approv
2003-10-02 19:00	2003-10-03 00:00	209.00	<u>209.00</u>	<u>TVALP06</u>	2003-10-02 18:00	2003-10-02 19:00	100.00	Tag Creation-Approv
2003-10-03 00:00	2003-10-05 00:00	209.00	<u>9.00</u>					



Scheduling of Transmission Services

- Transmission Scheduling – Rocky Roberts



Tag Validation

Tag Validation Detail - webTrans Version 3.0 - Microsoft Internet Explorer provided by TVA IE 6.0

Tag Validation Final: SOCO_APM1OCT1328_AECI New Tag IMPLEMENTED
Validation Result/Action: Pass/Notify

CA	TP	PSE	SCA	Assign Ref	Validation Time	Result	Action	Reason
SOCO								
	TVA			70107451	2003-10-09 14:09	Pass	Notify	
AECI								

Validation Log: Assign Ref #70107451

Validation Time(CD)	Criteria	Result	Action	Comment
2003-10-09 15:09:46	Energy Profile	Pass	Notify	
2003-10-09 15:09:46	Ramp Duration	Pass	Notify	
2003-10-09 15:09:46	Ramp Start/Stop	Pass	Notify	
2003-10-09 15:09:46	Status	Pass	Notify	
2003-10-09 15:09:46	MW	Pass	Notify	
2003-10-09 15:09:46	NercPriority	Pass	Notify	
2003-10-09 15:09:46	POR/POD	Pass	Notify	
2003-10-09 15:09:46	Loss	Pass	Notify	
2003-10-09 15:09:46	Schedule Entity	Pass	Notify	
2003-10-09 15:09:46	Customer/TP Owner	Pass	Notify	
2003-10-09 15:09:46	Late Start	Pass	Notify	

Local intranet



QUESTIONS

- ????????????????