

## Change Order 229 Extending Temporary Flowgates

### Background:

Prior to this change order, any temporary flowgates that exist at the time of a new IDC base case model upload were eliminated. If any of those flowgates were still valid, the owner of those flowgates had to recreate them after the new model upload.

This Change Order will allow a Reliability Coordinator (RC) user of the IDC with Unrestricted Read/Write (R/W) access to flag the flowgates created by their own RC that need to be maintained across a new IDC base case model and Book of Flowgates upload.

### Implementation Details:

#### Options for Extending a Temporary Flowgate

When a temporary flowgate is created, a default status is set such that the flowgate will be eliminated upon the next model upload. The user must edit the temporary flowgate after it has been created to change this default setting to indicate that the flowgate needs to be maintained across models.

To modify the expiration of the temporary flowgate, the user must navigate to the *Temporary Flowgates* menu, which is under the *Model* menu on the main display. Once in the *Temporary Flowgates Display*, choose the appropriate RC and select the View button. The display will then show information for all temporary Flowgates for that RC, including Creation Time and Expiration time.

To change the Expiration Time, click on the corresponding hyperlink Flowgate number. This link will navigate to the *Temporary Flowgate Summary* and will contain a button to reset the expiration time. In the *Temporary Flowgate Summary* display, select the “**Reset Expiration Time**” button. A window will appear where the user will select one of the three options shows below. Select the desired option and “Submit”.

Extension Option	Description of the option
Expire at next IDC model upload	The flowgate will expire when the next model upload occurs
Extend into the next IDC model	The flowgate will remain active when the next model upload occurs as long as all data remains valid
Schedule to expire on “DATE”	The flowgate will remain active until the defined date, so long as all data remains valid during any applicable model uploads

https://training.newidc.oatiidc.com - Temporary Flowgate 1360...

Temporary Flowgate 13600 Summary

**Flowgate: 13600 - testing - oati - 2**

Status: ACTIVE

Creation Date/Time: 2007-03-06 11:40

Expiration Date/Time: AT NEXT MODEL UPLOAD

**Owners**

Reliability Coordinator	Control Area	Transmission Provider	Status
ISNE	ISNE	ISNE	VALID

**Market Coordination**

Market	Status
None	

**Monitored Branches**

From Bus	To Bus	Tertiary Bus	Circuit	Status
MDWLT230 230	MIDMED 999	N/A	1	VALID
MDWVY 2 13.8	MIDMED 999	N/A	1	VALID

**OTDF Contingency Branches**

From Bus	To Bus	Tertiary Bus	Circuit	Contingency Status	Status
None					

**LODF Contingency Branches**

From Bus	To Bus	Tertiary Bus	Circuit	Status
None				

Clicking "Reset Expiration Time" will open the window shown below

**Temporary Flowgate Extension**

**13582 - testing - oati**

Status: ACTIVE

Creation Date/Time: 2007-03-02 13:00

Expiration Date/Time: AT NEXT MODEL UPLOAD

- Expire at next IDC model upload
- Extend into the next IDC model
- Schedule to expire on

Validation During Model Upload

At the time of the model upload, the flowgates that need to be maintained across models will be validated against the IDC base case model. Those flowgates that pass the validation will be immediately available for TDF/GSF calculation and TLR issuance.

The flowgate validation process will check for correctness of the following:

- The RCs, BAs, and TPs associated with the flowgate and their relationships are valid across the new model.
- All monitored transmission elements are available in the new IDC base case model.
- All OTDF contingency elements (if any) are available in the new IDC base case model.
- The LODF contingency element (if defined) is available in the new IDC base case model.

For those flowgates that do not pass the validation, the RC users associated with the RC that created the flowgate will be notified via an IDC alarm that a flowgate that has been flagged to be extended needs to be corrected. Those flowgates, as well as others that have expired during the model upload, will be displayed in the Temporary Flowgate list with a status of “Expired”. These ‘Expired’ flowgates will remain on the display for 15 days after the model upload and may be resurrected by RC users with Unrestricted R/W access by resetting the expiration time. Upon successful validation, the flowgate will be available for TDF and GSF calculations, and TLR issuance.

Number	Name	RC Owner	Market Coordination	Creation Time	Expiration Time	Status
<a href="#">14058</a>	Sheldon-2nd and N 115kV flo Sheldon-20th and Pioneer 115kV	MISO	N/A	2007-01-31 21:00	2007-02-28 23:39	EXPIRED
<a href="#">14059</a>	Sheldon-20th and Pioneer 115kV flo Sheldon-2nd and N 115kV	MISO	N/A	2007-01-31 21:20	2007-02-28 23:39	EXPIRED
<a href="#">14060</a>	Stillwell-Pecular 345kV flo Stillwell XFMR 11L	MISO	N/A	2007-02-28 23:39	2007-05-28 00:00	ACTIVE
<a href="#">14061</a>	East Calamus-Maquoketa 161kV flo Salem 345/161kV XFMR	MISO	MISO	2007-02-28 23:39	AT NEXT MODEL UPLOAD	ACTIVE
<a href="#">14062</a>	East Calamus 161/115kV XFMR flo Tiffin 161/115kV XFMR	MISO	MISO	2007-02-28 23:39	AT NEXT MODEL UPLOAD	ACTIVE