



ATC Transmission Switching Clearance Procedure

Mark Balconi
ATC Customer Meeting
April 25, 2012

Helping to **keep the lights on,**
businesses running and communities strong®



Update

Transmission Switching Clearance Procedure

Implemented
April 15th

- Alliant, MGE & WPS service territories



Update

Transmission Switching Clearance Procedure

We Energies
Scheduled for
July 31st

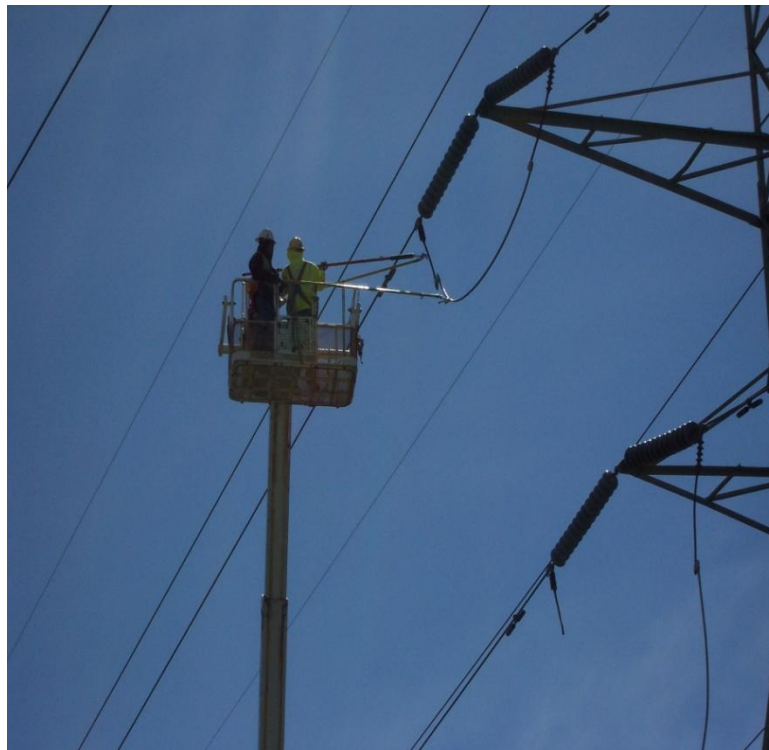




Update

Transmission Switching Clearance Procedure

The End





Update

Transmission Switching Clearance Procedure

OK – Seriously

- Introduction of why
- What has been done/what's going on
- ATC's Transmission Switching Clearance Procedure



Background

- ATC is accountable for the power system under its jurisdiction

Background

- Industry recommendations:
 - 2007 NERC Readiness Review of ATC
 - 2009 North American Transmission Forum Peer review recommendation
 - EPRI switching safety and reliability promotes standardization in switching as best practice

Background

- Utilize a standard format of ATC switching instructions by all field and system operations personnel to safely energize and de-energize transmission equipment
 - Minimize potential switching errors
 - Promotes common terminology & practices
 - Consistent practices that enable interchangeability

Approach

- Utilize ATC Hold/Caution Cards on transmission devices
 - 7 different field tags used among the 4 LDC's - ATC procedure to utilize 3 cards:
 - Hold Card
 - Hot Line Caution Card
 - Warning Card
 - Ensures all field personnel know that work is being performed for ATC and requirement to contact ATC in regards to card(s)
 - Match information on Hold Card Record (HCR) in System Operations Center (SOC)

Approach

- Met with individual LDCs to foster discussion and gauge interest for change
- Meetings included Customer Relations, Safety, Operations and business staff to help encourage open-minded session(s)
- Bring all 4 LDCs and ATC together to seek consensus on forward-looking procedure

Approach

- Utilized LDC's peer pressure in large setting to explore changes (similar to Business Forum and Planning Dialogue strategies)
- Parallel discussions with Regional Managers/Executive Stewards to reinforce safety/business approach

Objectives of Meetings

- Promote safety and communications
- Clarify terminology and roles (including ATC and MISO)
- Review current practices and seek input
 - Safely isolate equipment for protection of personnel



What's Been Done to Date

- Meetings with LDCs on concepts, practices, and perspectives (Spring 2010)
- Industry practice research (Fall/Winter 2010)
- Shared draft preliminary procedure and schedule (Spring 2011)
- Presentation to ATC Board of Directors (Summer 2011)



What's Been Done to Date

- Three face to face meetings with all 4 LDCs (Summer/Fall 2011)
- Four individual meetings w/ WE to build agreement (Fall/Winter 2011/12)
- Training review with LDCs (Fall/Winter 2011/12)

What's Been Done to Date


- Train-the-Trainer completed w/ WPS, Alliant & MGE (March 2012)
- Training for these 3 LDC's employees completed (4/2/12)
- Contractor and ATC employee underway (3/22/12 - present)
 - 10 training sessions held to date
 - Over 200 trained to date by Pat F!!!!
- WE Train-the-Trainer scheduled (5/2/12)



Procedure

“The ATC Hold Card Team has drafted a transmission switching clearance procedure to ensure safety, compliance and reliability in the operation of our bulk power system.”

Procedure

 ATC Operating Procedure		TOP-20GN-47	
Transmission Switching Clearance Procedure		Issue Date:	1/10/12
		Effective Date:	4/15/12
		Revision:	Original
Author:	Kurt Dickinson		
Reviewer:	Mark Balconi		
Approval:	Paul Roehr		

Hold Card



Hot Line Caution Card

Slide 1

Slide 2

Slide 1

CAUTION

HOT LINE CAUTION CARD

HOT LINE WORK IN PROGRESS

DO NOT OPERATE

THIS EQUIPMENT OR REMOVE THIS CARD UNLESS AUTHORIZED

ATC
AMERICAN TRANSMISSION COMPANY

Slide 2

CAUTION

HOT LINE CAUTION CARD

Issued by:
ATC/PWK: _____ ATC/CS: _____

Clearance Record #: _____

Device number or description: _____

Location: _____

Placed by: _____
Date: _____ Time: _____

Remarks: _____

Removed by: _____
Date: _____ Time: _____

ATC
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Dimensions: 12.000 inches (height), 4.000 inches (width)

Warning Card



Questions?

