

# DMNC TEST VALIDATION

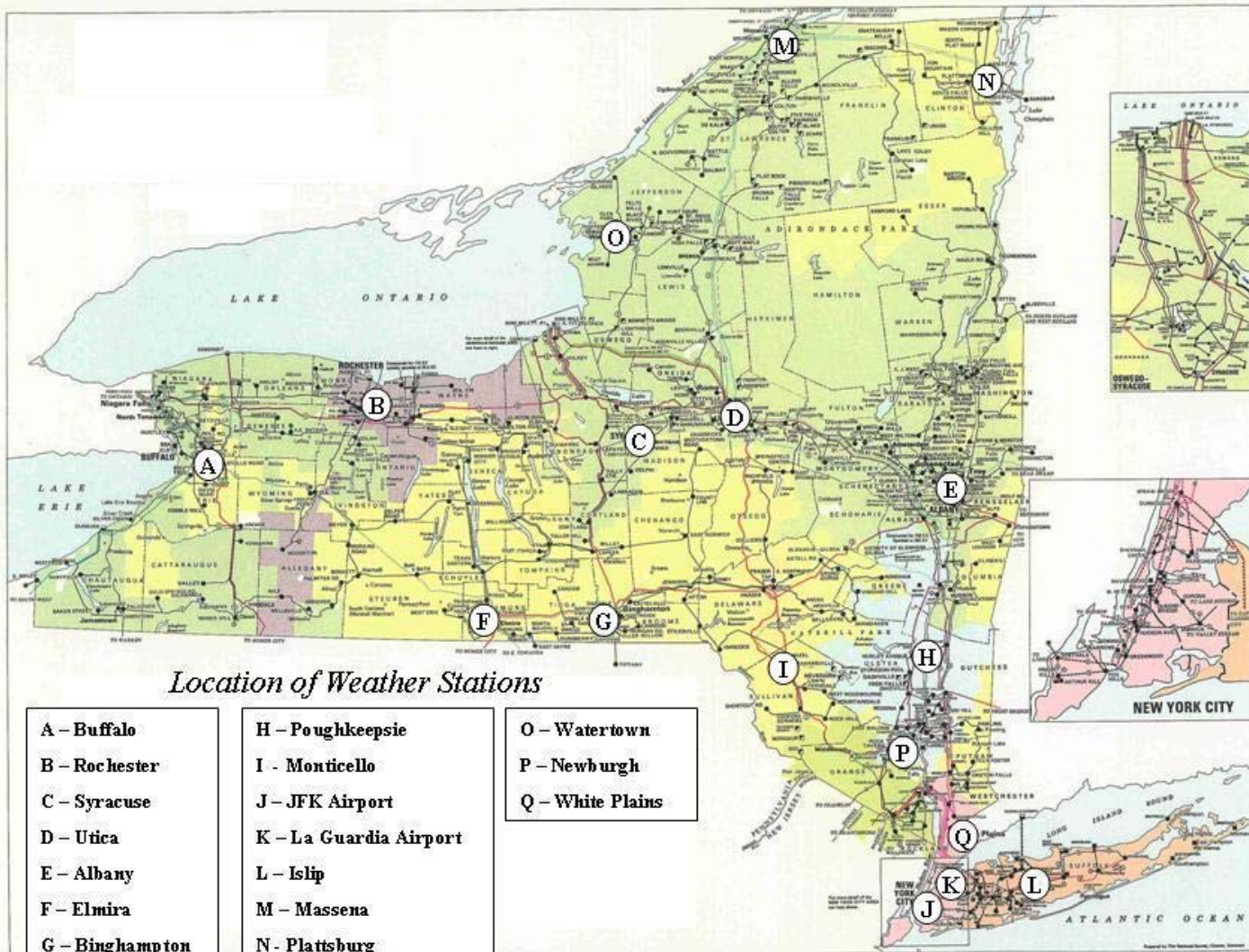
Presentation to ICAPWG – January 18, 2007

# Background

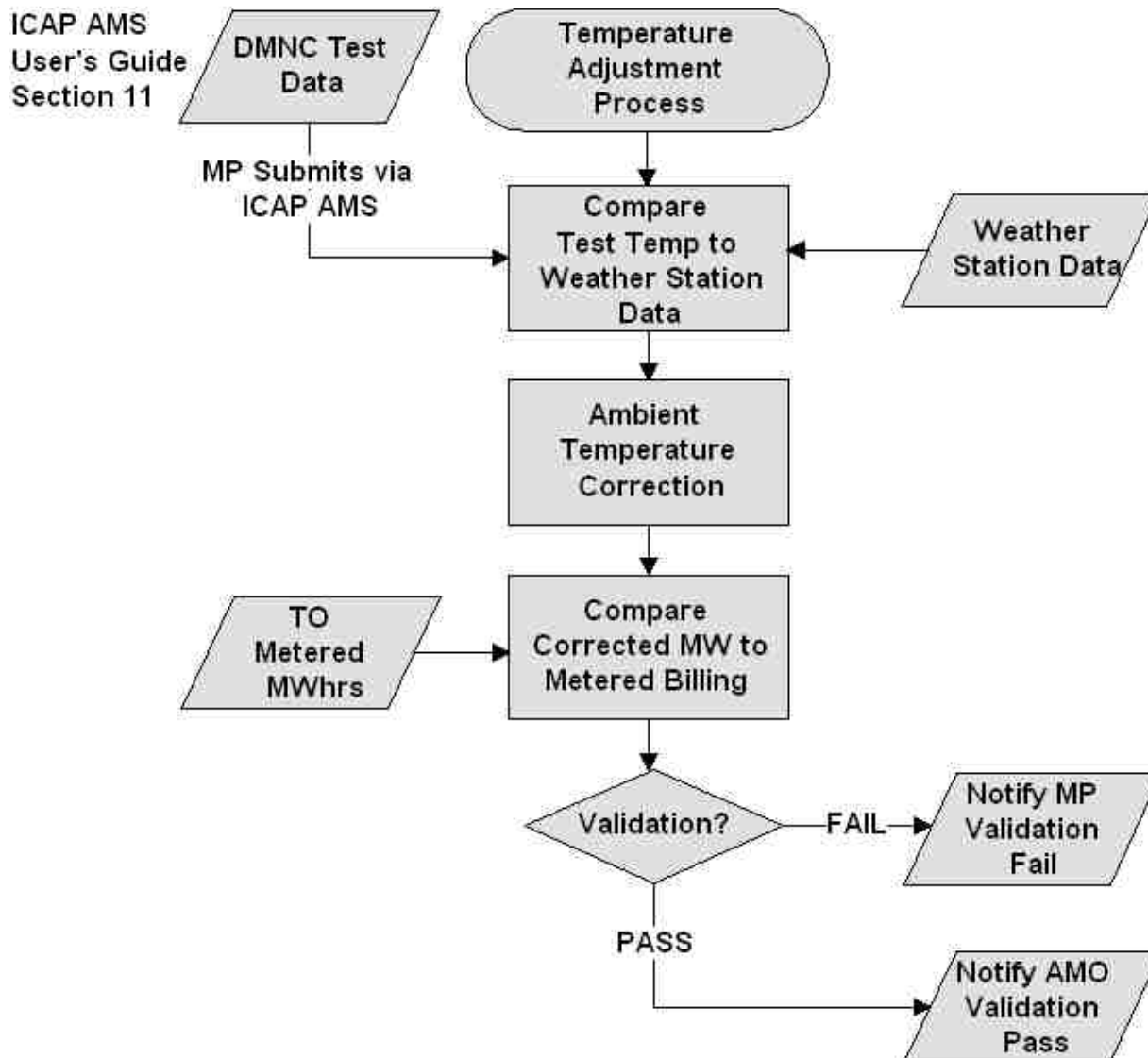
- ✓ **NYISO Internal Audit Mandate**
- ✓ **MP Submits DMNC Test via ICAP AMS.**
- ✓ **MMP will Validate each DMNC Test.**
- ✓ **AMO will Pass or Fail DMNC Test via ICAP AMS.**

# Methodology

- ✓ **DMNC Test Results submitted by MP via ICAP AMS Screens.**
- ✓ **Data validated using TO-Supplied Metered Gen MWhr Data, Static Parameters and Weather Station Data.**
- ✓ **Test MW will be Temperature-Corrected for Temperature-Sensitive Units.**
- ✓ **For a multi-hour DMNC Test, the average of all hourly Temperature Adjusted MWs will be compared to the MP submitted Post-Test Rating MW.**
- ✓ **For a multi-hour DMNC Test, the difference in Ambient Test Temperature from hour to hour cannot exceed 4 Degrees F.**
- ✓ **MMP will advise MP when DMNC Test Validation Discrepancies are found.**



## ICAPWG PRESENTATION - TEMPERATURE ADJUSTMENT



# Temperature Correction

## Example:

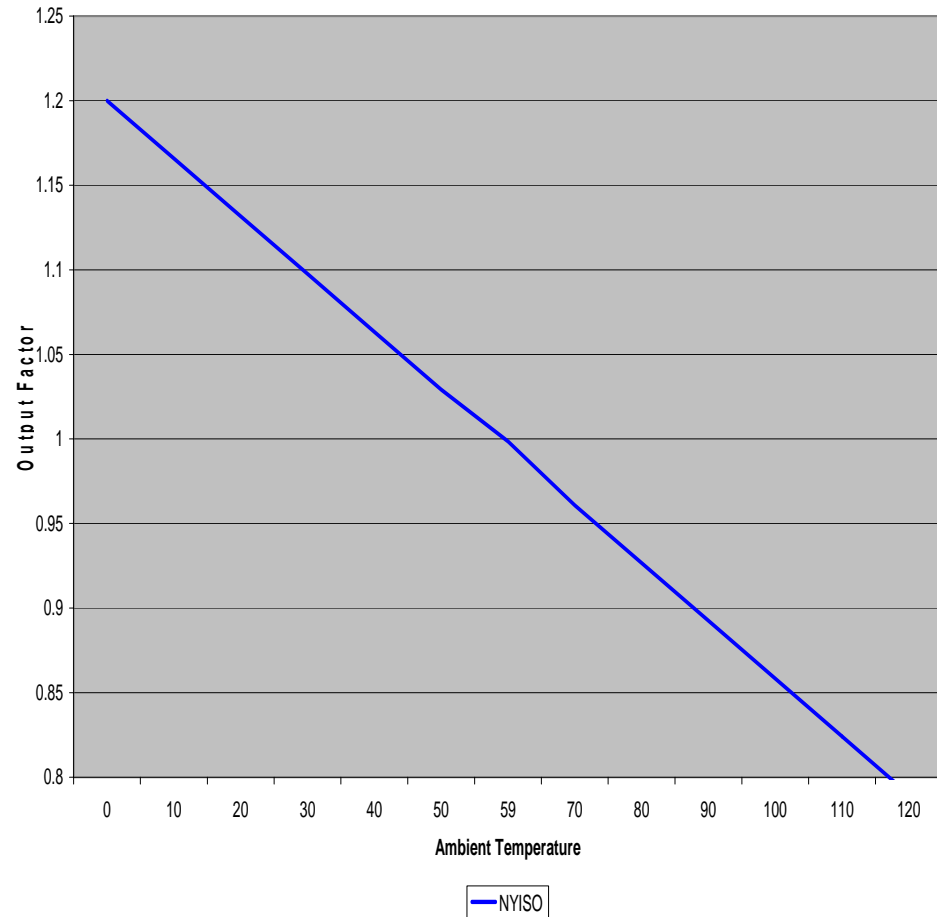
Corrected Test MW =  
(Uncorrected Test MW / OF @ Test Temp )  
\* OF @ Desired Temp

For Test Hour n:  
Uncorrected Test MW (Hour n) = 100MW  
Test Temp (Hour n) = 75 Degrees F  
Desired Temp = 95 Degrees F

$$(100 \text{ MW} / 0.944) * 0.875 = \mathbf{92.8 \text{ MW}}$$

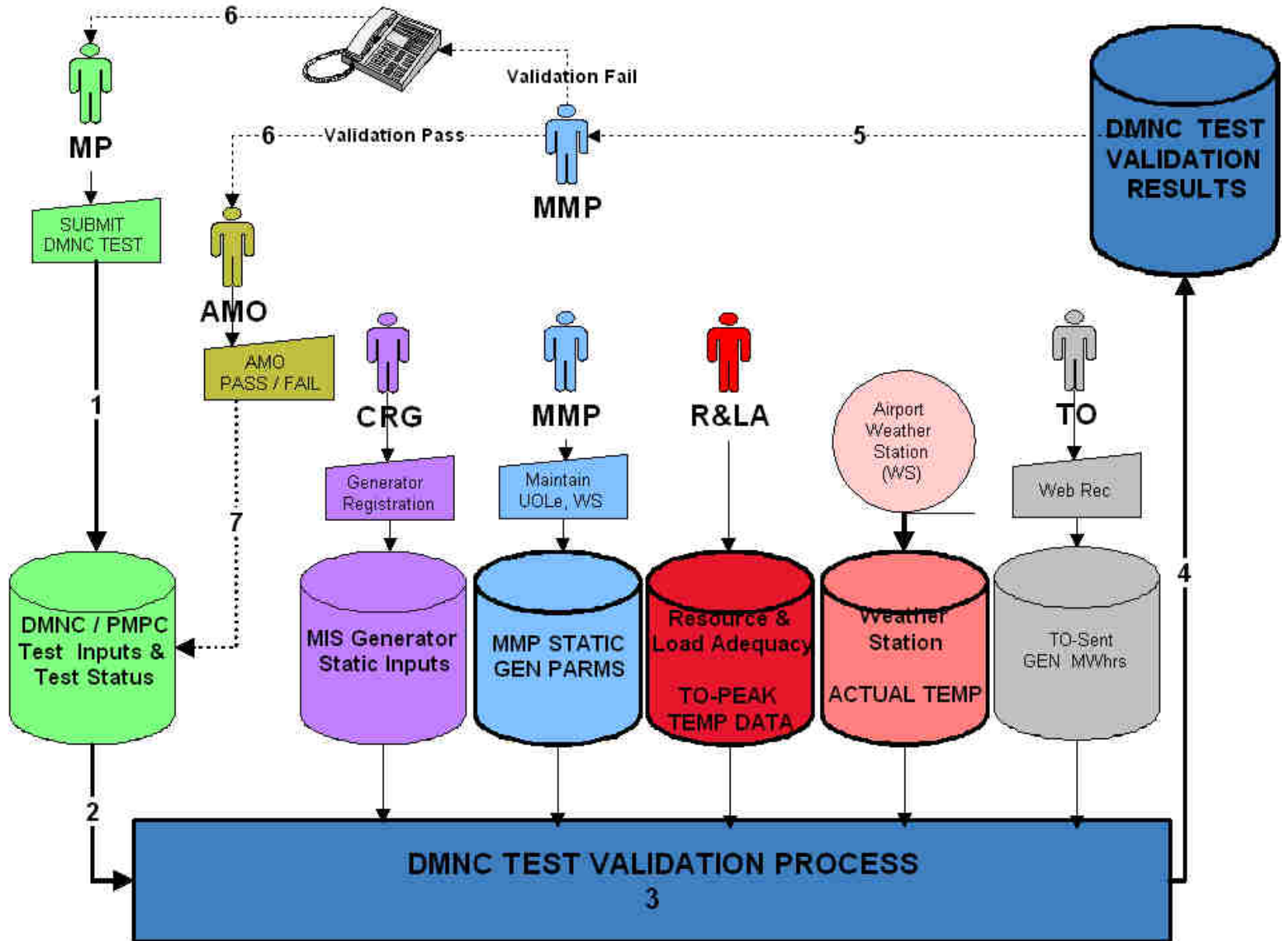
OF = Output Factor

Gas Turbine Temperature Correction





# ICAPWG PRESENTATION - DMNC TEST VALIDATION FUNCTIONAL SEQUENCE



# Criteria

- ✓ **MP Selects Nearest Airport Weather Station.**
- ✓ **Validation will be run within one True Up Cycle.**
- ✓ **MMP will discuss Validation Discrepancies with MP.**
- ✓ **Validated DMNC Test Results will be sent to AMO who set Test Status to PASS/FAIL via ICAP AMS.**



# Questions?