

# TOA4 Diagnostic Alerts™

## Feature Sheet



**Automatic alerts that notify maintenance teams when insulating fluid tests and dissolved gas analysis indicate new problems with high-voltage apparatus.**

TOA4 Diagnostic Alerts is an optional TOA4 Online feature that relieves maintenance teams of constant monitoring of fleet health so they can focus on current activities, confident they will be notified when and where equipment anomalies arise.

- Automatic interpretation of insulating fluid & DGA test data
- Automatic and timely alerts according to user-configured rules
- Succinct and non-repetitive alert summaries
- Applies to both lab test results and online monitoring

Manage  
Risk

Improve  
Reliability

Optimize  
Yield

### Filters

- Report by apparatus type, result type, condition thresholds, location, and other attributes
- Highlights equipment anomalies thereby avoiding tedious reviews of entire apparatus fleet

### Batch Delivery of Alerts

- New test data is automatically interpreted, then compared with alert rules
- Alert summaries emailed daily, avoiding excessive alert email traffic
- Alerts are not repeated, providing confidence in current relevance and avoiding excessive alert email traffic
- Each listed alert includes link to equipment condition information
- Alert summaries can be forwarded to other interested parties
- Summaries distinguish alerts generated from lab results versus online monitor results

### User Configurable

- Simple interface allows individuals to configure user specific alert rules
- Only equipment accessible to the user can be flagged by the user's alert rules
- Email alerts are easily enabled and disabled
- Example 1: a substation supervisor requires alerts for any equipment in a particular substation with abnormal DGA or moisture test results
- Example 2: an engineer responsible for switchgear requires alerts when any oil circuit breaker receives any new test data

### Personal Alerts List

- Each TOA4 Online user has a personal Alerts List reflecting emailed alerts
- Alerts List appears on home page when users login to TOA4 Online
- Alerts can be deleted when they are no longer of interest
- Alerts "expire" and are automatically removed when the alert is over 90 days old

With TOA4 Online, utilities and heavy industry are better equipped to manage risk, reduce system losses, improve reliability and maximize return-on-investment of their high-value assets. TOA4 Diagnostic Alerts improves situational awareness and can be easily added to your TOA4 Online subscription.

## *Intelligence for Asset Optimization*

Delta-X provides advanced diagnostic software to assess and track the condition of electrical apparatus used by utilities and heavy industry. Delta-X's Transformer Oil Analyst™ (TOA) is the market leading tool used by high-voltage equipment experts to manage and interpret insulating fluid test data, including dissolved gas analysis. Generation, transmission and distribution utilities as well as leading industrial operations around the world rely on Delta-X to provide accurate and timely insights into the condition of their high value assets.



**Delta-X Research Inc.**

PO Box 42083 | 2200 Oak Bay Avenue  
Victoria BC Canada V8R 6T4

**Sales:** [sales@deltaxresearch.com](mailto:sales@deltaxresearch.com) | 1-919-544-8191

**Inquiries:** [info@deltaxresearch.com](mailto:info@deltaxresearch.com)

**[deltaxresearch.com](http://deltaxresearch.com)**