



**TELEDYNE TEST SERVICES**  
Everywhereyoulook™

Valve Diagnostic Testing and Maintenance

# Seventh Annual QUIKLOOK Users Group Meeting

August 14 & 15, 2013



Presented by: **Mike Richard**



**TELEDYNE TEST SERVICES**

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Valve Diagnostic Testing and Maintenance

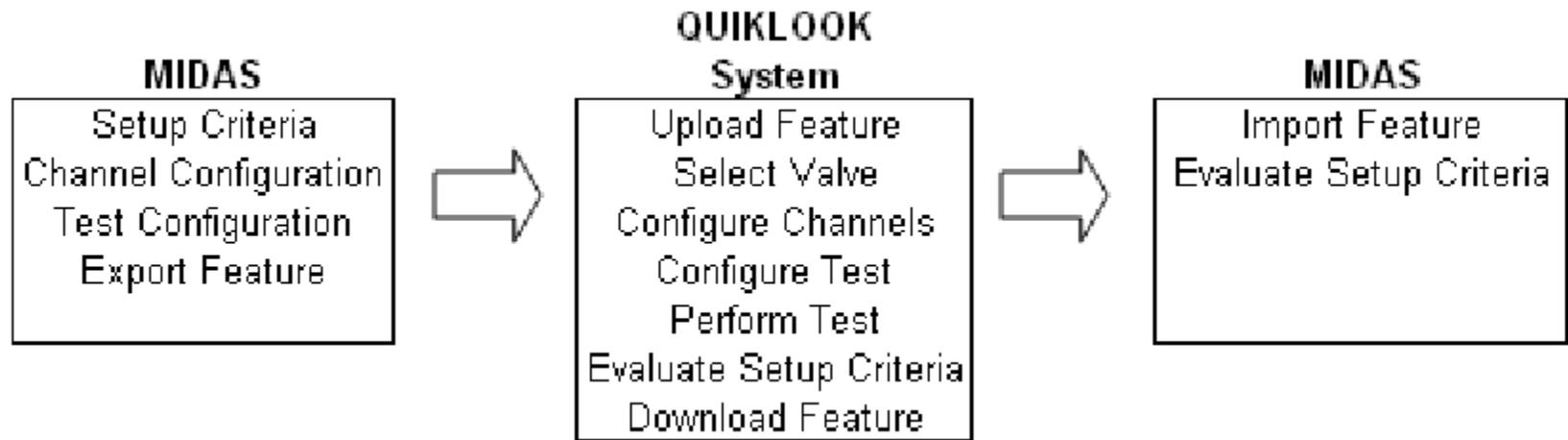
# QUIKLOOK

## 3 Step Testing

Manager Computer Interaction

Michael C Richard

# Technical Concept - Introduction



# Precedence at EDF since 2006



## REDIRECTOR – Analysis Mode

- Manage design information & valve list
  - Manually enter valve list
  - Manually enter design information
  - Import design information from other source
- Manage Quiklook configurations (TAG files)
  - Import individual TAG files
  - Duplicate individual or multiple TAG files

# EDF Redirector – Analysis Mode

Quiklook Redirecteur (EDF 2007.172 06/21/2007 06:14:34)

Bienvenue Michael Richard

Palier: PP4

Site: BEL

Tranche: 1

Robinet: APG025VL

Liste des configurations

Type de Test

- Mécanique 26/03/07 12:57
- Electrique 26/03/07 12:57
- Mécanique + Electrique 26/03/07 12:57

Design Data

Import Design Data

Update Valve List

Copy Config Data

Sensitivity Calculator

Données Ingénierie

Importer Données Ingénierie

Mise à jour Liste des Robinets

Copier Config.

Sensibilité

Configuration

15/08/07 11:25

Importation

# EDF Redirector – Acquisition Mode

**Bienvenue Michael Richard** Arrêter

**Copy Test to USB**  Copie USB

**Update Valve Configuration Data**  Mise à jour configurations

**Sensitivity Calculator**  Sensibilité

Palier: **CPX**

Site: **DTG**

Tranche: **3**

Robinet: **RIS021VP** Liste des configurations

Type de Test

- Mécanique 13/06/06 09:53
- Electrique (pas de configuration)
- Mécanique + Electrique (pas de configuration)

Intervenants: \_\_\_\_\_

Entreprise: \_\_\_\_\_

Acquisition 09/01/07 11:27 Analyse

## USA Redirector Concept

- Replace Redirector – Analysis Mode with MIDATEST
- Instead of maintaining a valve list and design data in the Redirector, use the existing valve list and design data in MIDAS.
- Instead of building TAG files and storing TAG files in the configuration database, store the channel configuration information in MIDATEST.

# USA Redirector Concept

## Add Channel Configuration form to MIDATEST

The screenshot shows a software window titled "Channel Data" with a close button (X) in the top right corner. The window is divided into several sections:

- Navigation:** "Previous" button, a dropdown menu showing "Channel 1", and a "Next" button.
- Main Configuration:**
  - Status: Primary (dropdown)
  - Name: SG THRUS (dropdown)
  - Units: LBS (dropdown)
  - Description: THRUST (text field)
  - Type: Differential (dropdown)
  - Range: +10 Vdc (dropdown)
  - Excitation: N/A (dropdown)
  - Sensitivity: 1.0000 LBS /V (text field)
  - Offset: 3638.31021061552 (text field)
  - Show Over Ranging
- Sensor Information:**
  - Type: (text field)
  - Manufacturer: (text field)
  - Model: (text field)
  - Serial Number: (text field)
  - Cal Date: (text field)
  - Cal Due Date: (text field)
  - Load Sensor button
- Calculated Channels:**
  - Generate Calculated Channel
  - Display Channel Default
  - Low Pass Filter: (dropdown) Cut Off Frequency: 50 (text field)
- Apply Calibration:**
  - Apply Calibration
  - Display Channel Default
  - Apply Calibration to Calculated Channel
  - Load Calibration button

At the bottom of the main configuration section are three buttons: "Close", "QSS", and "Rotary".

# USA Redirector Concept

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- Replace Redirector – Acquisition Mode with USA Redirector
- Upload configuration database with setup criteria
- Select Valve
- Launch QUIKLOOK with predefined channel configuration information
- Perform QUIKLOOK test
- Evaluate setup criteria
- Download QUIKLOOK test data

# USA Redirector Concept

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- Replace MACORSE with MIDATEST
- Upload marker data for final setup criteria analysis
- Upload channel configuration information
- Upload test configuration information



# **USA Redirector Concept**

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Questions?