Eighth Annual QUIKLOOK Users Group Meeting

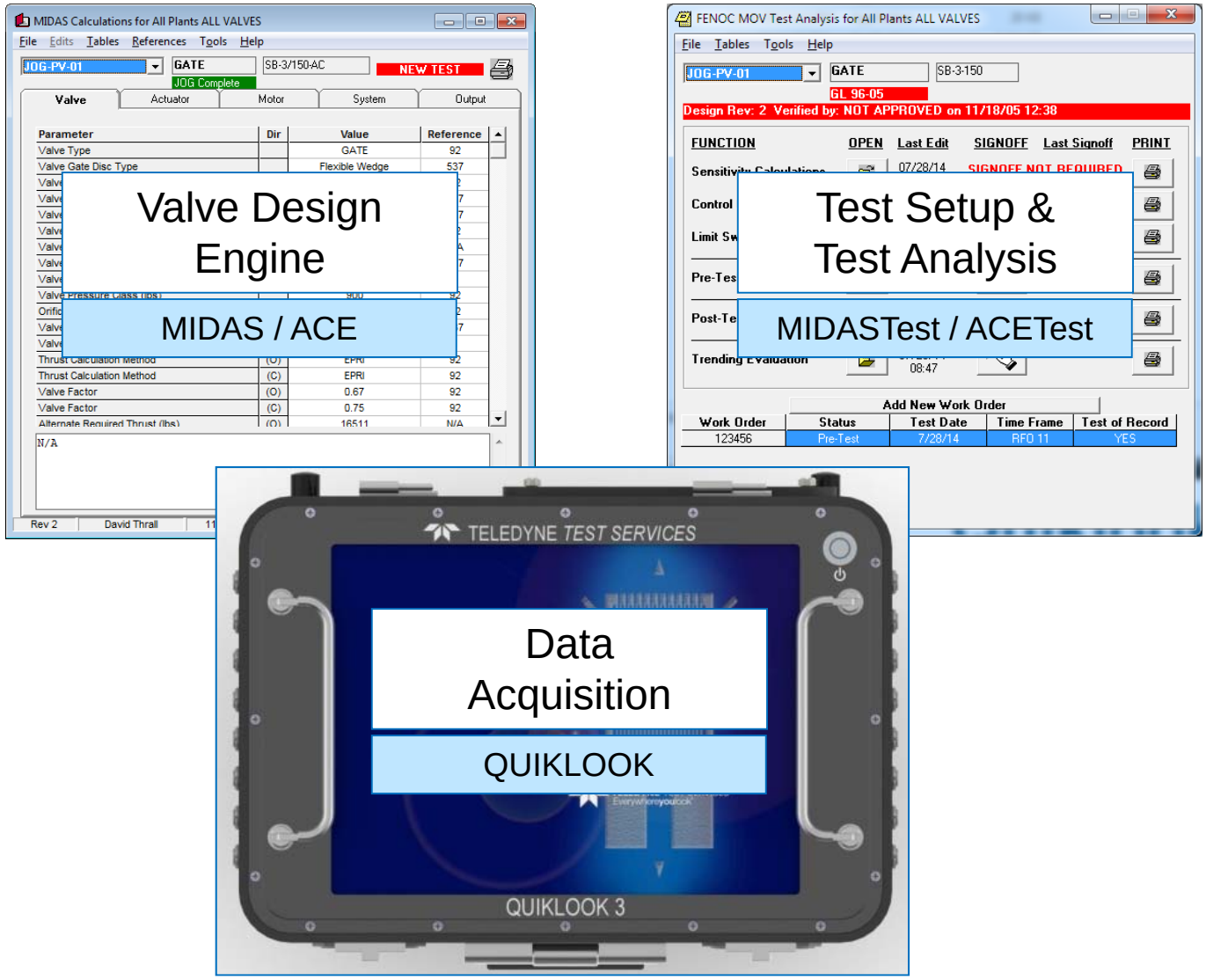
Marion, MA
August 20 & 21st, 2014

Eric Solla
QUIKLOOK Product Manager

Software Suite Integration

TELEDYNE TEST SERVICES
Everywhereyoulook™

Software Suite Integration



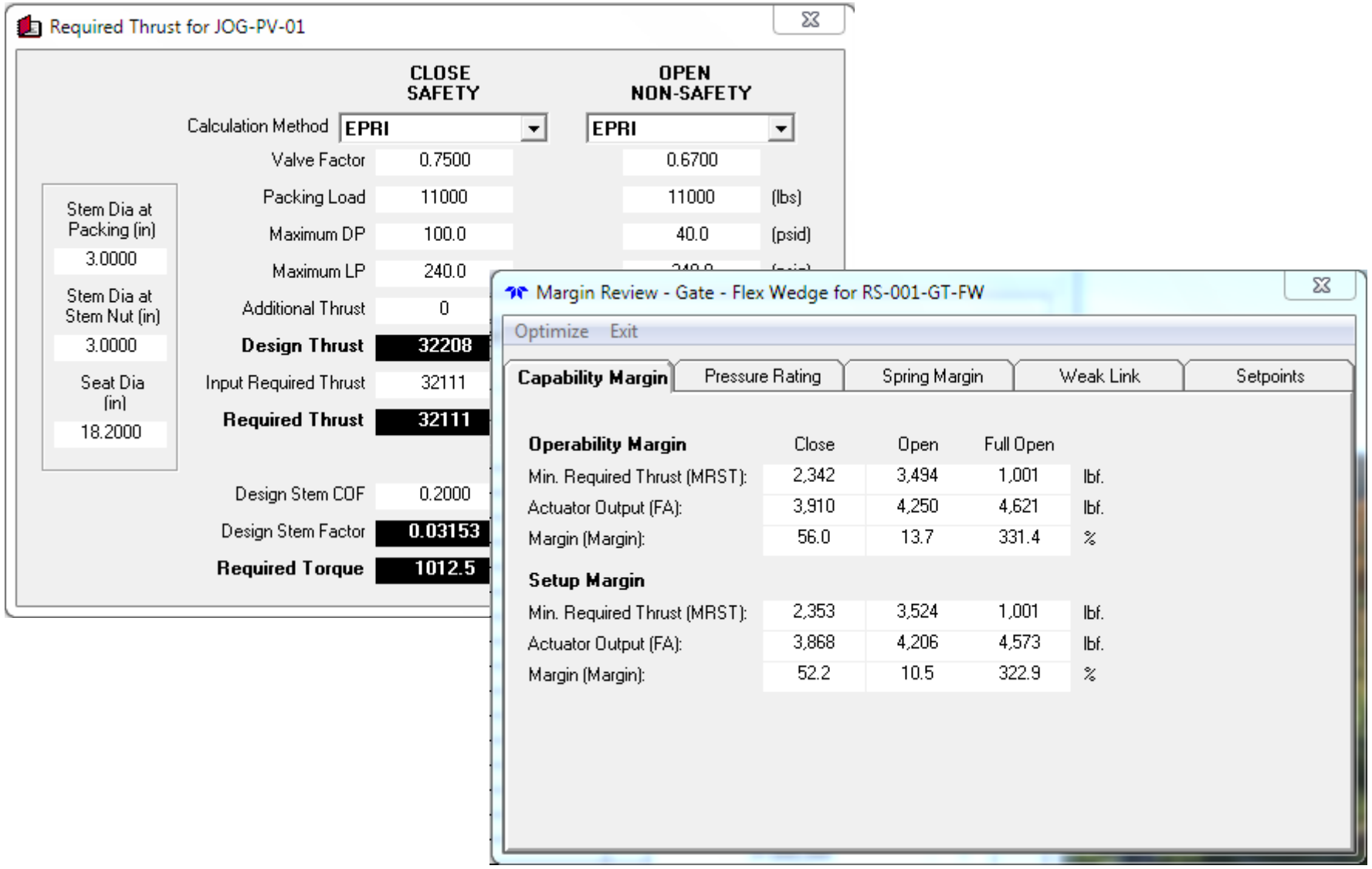
Software Suite Integration

Valve Design Engine

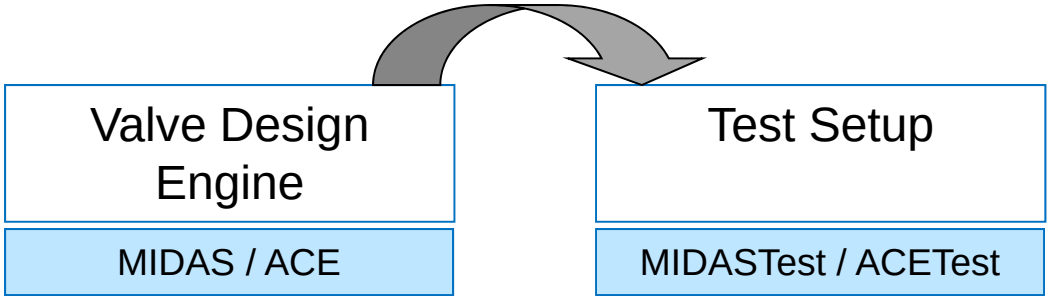
MIDAS / ACE

- Valve Design is Created
- JOG Class & Test Frequencies Determined
- Min & Max Required Thrust calculated
- Min & Max Required Torque calculated
- Design Margins Calculated

Software Suite Integration

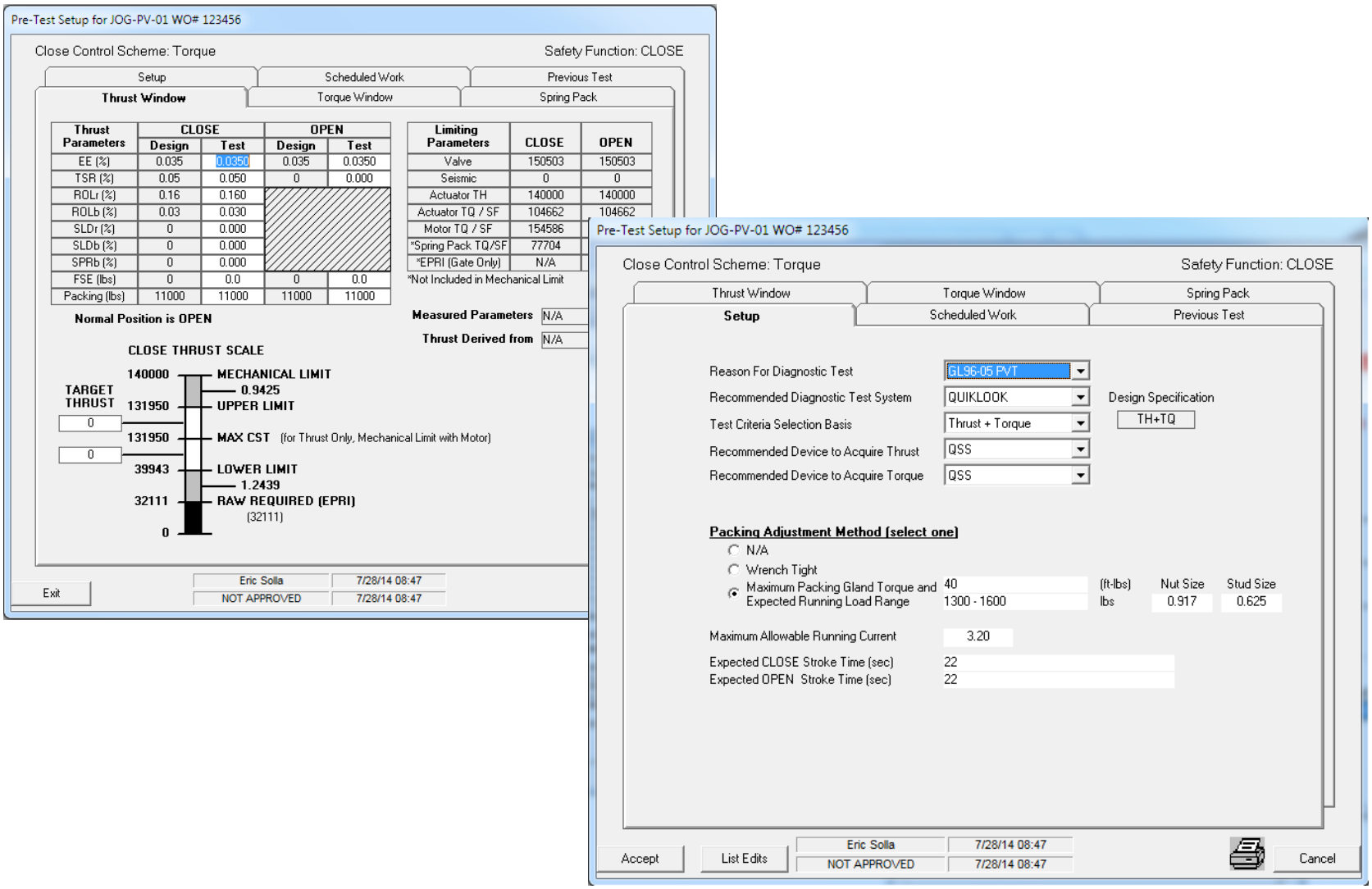


Software Suite Integration



- Valve Data imported from Midas / ACE
- Setup Window Defined
  - Thrust / Torque Target Values
  - Running Load Target
  - Max Stroke Times
- Test Requirements Defined
- Control Circuit Changes
- Limit Switch Settings

Software Suite Integration



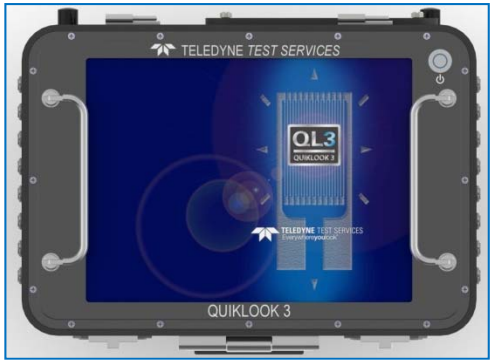
Software Suite Integration

Valve Design Engine

MIDAS / ACE

Test Setup

MIDASTest / ACETest



QUIKLOOK

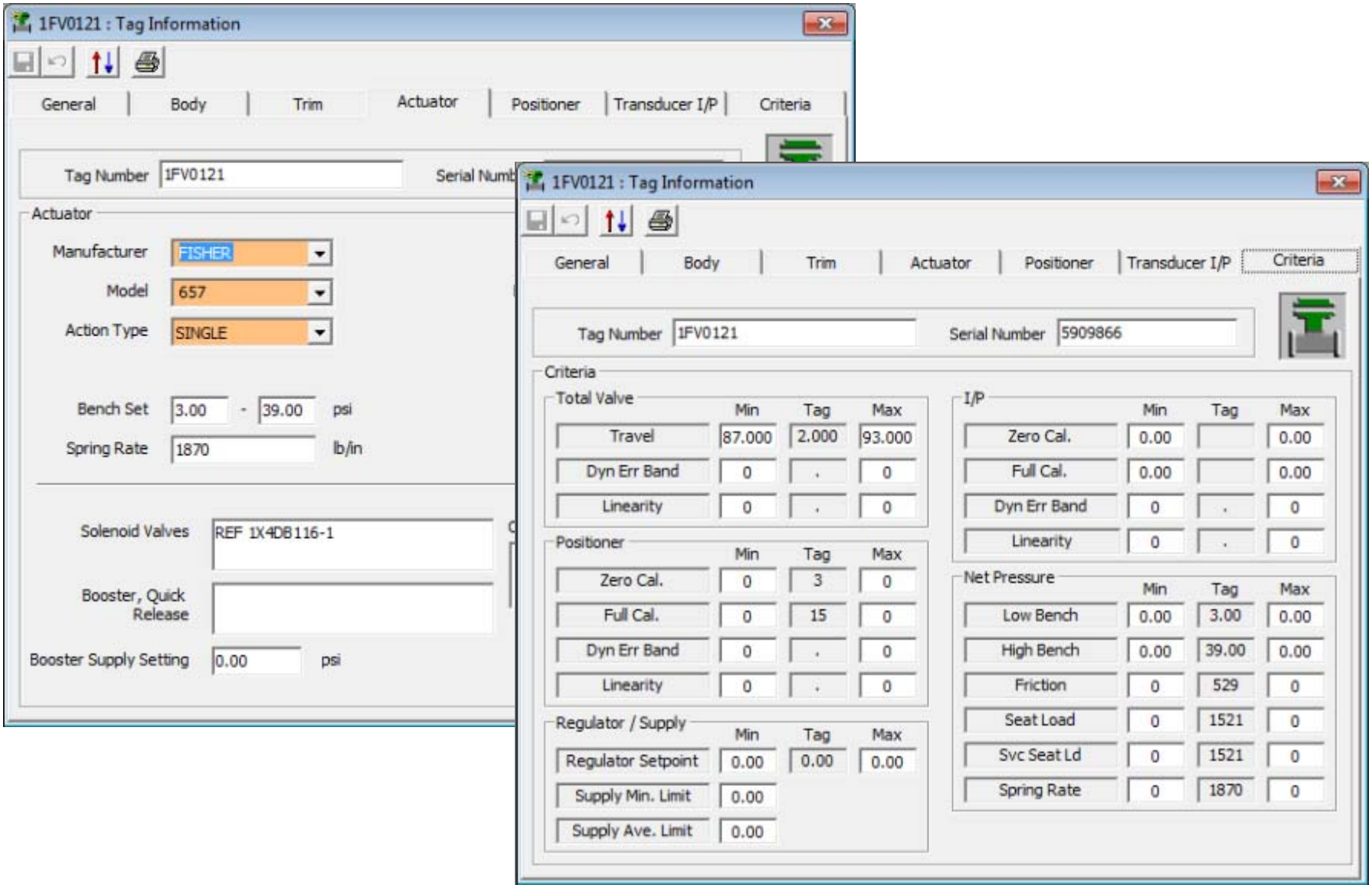
Configuration

- Design Information imported
- Criteria imported
- Calc Signoff imported
- Data cannot be changed without removing signoffs

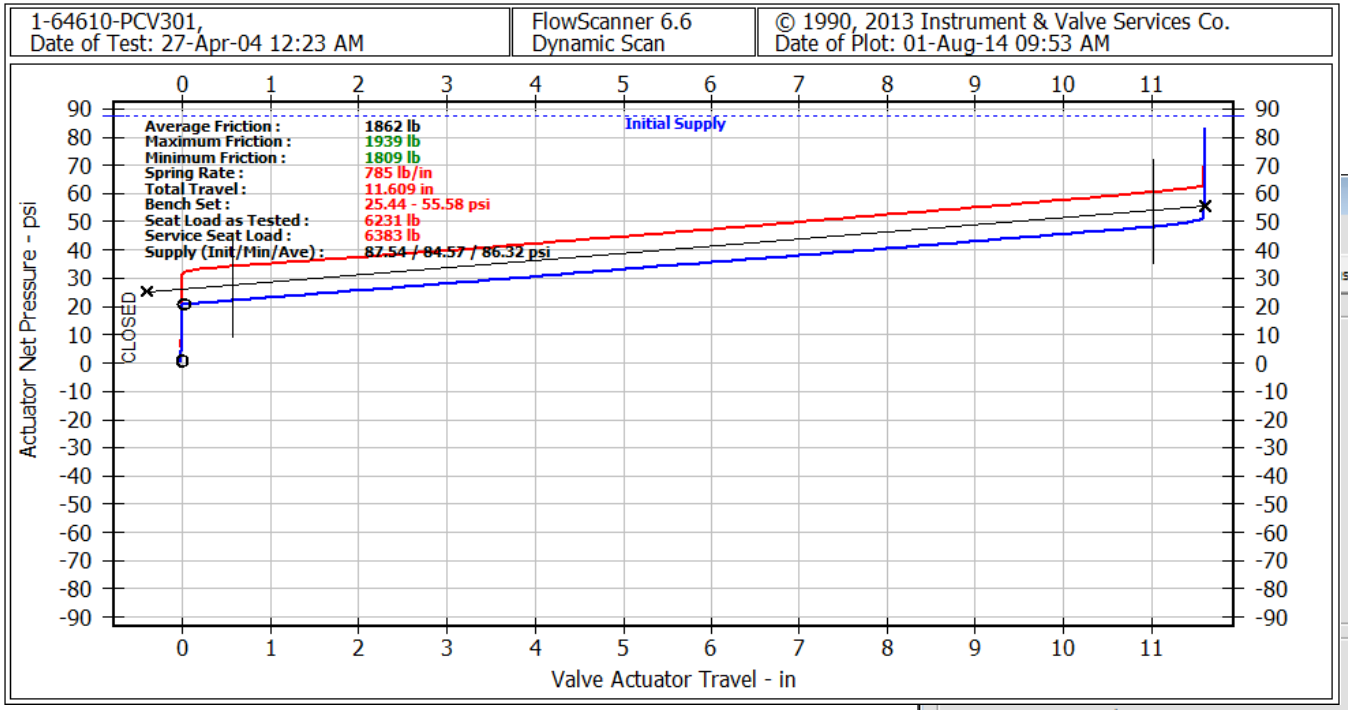
Test Results

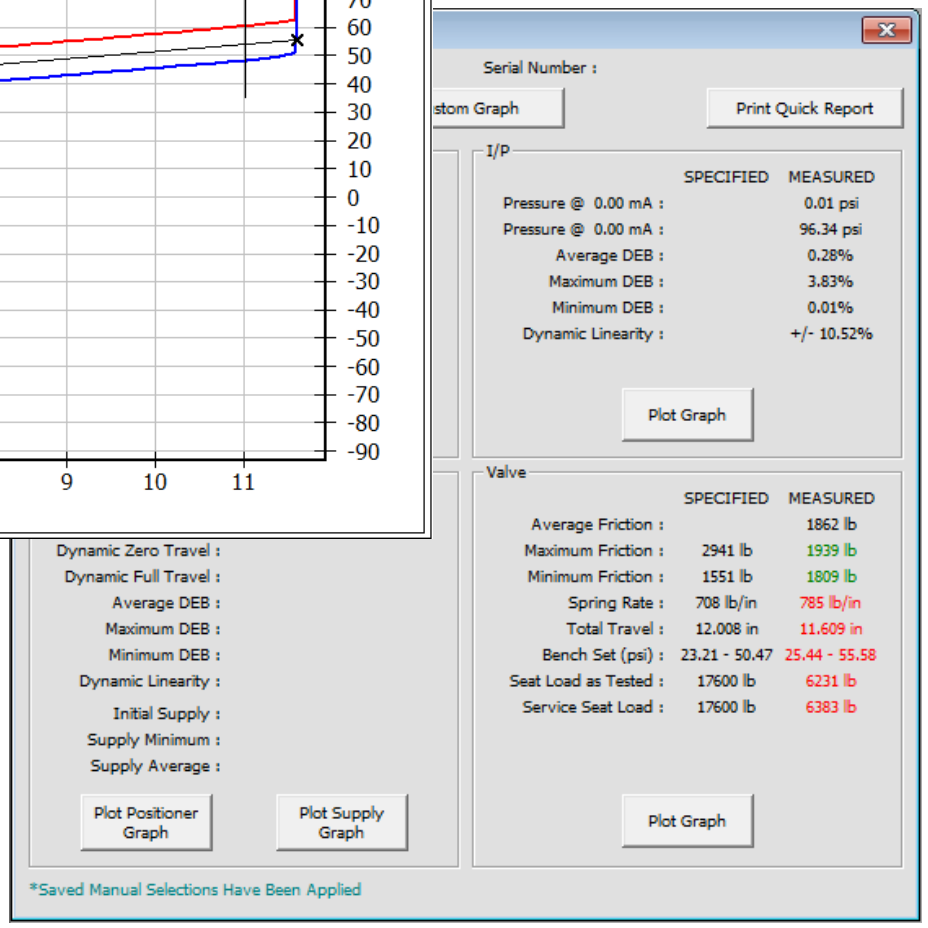
- Criteria Evaluated
- Stem Factor & COF Evaluated
- Running Loads Evaluated

Software Suite Integration

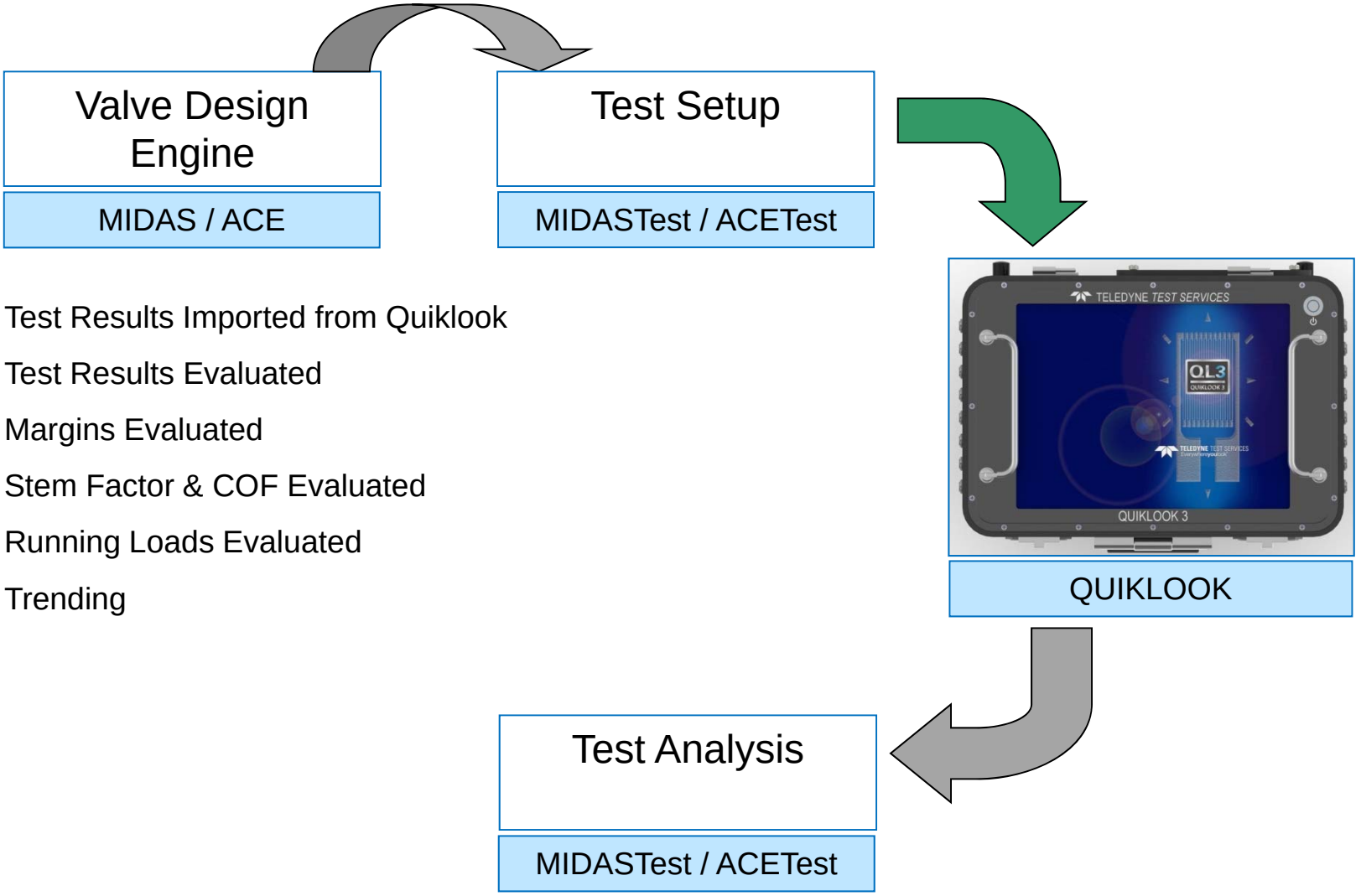


Software Suite Integration



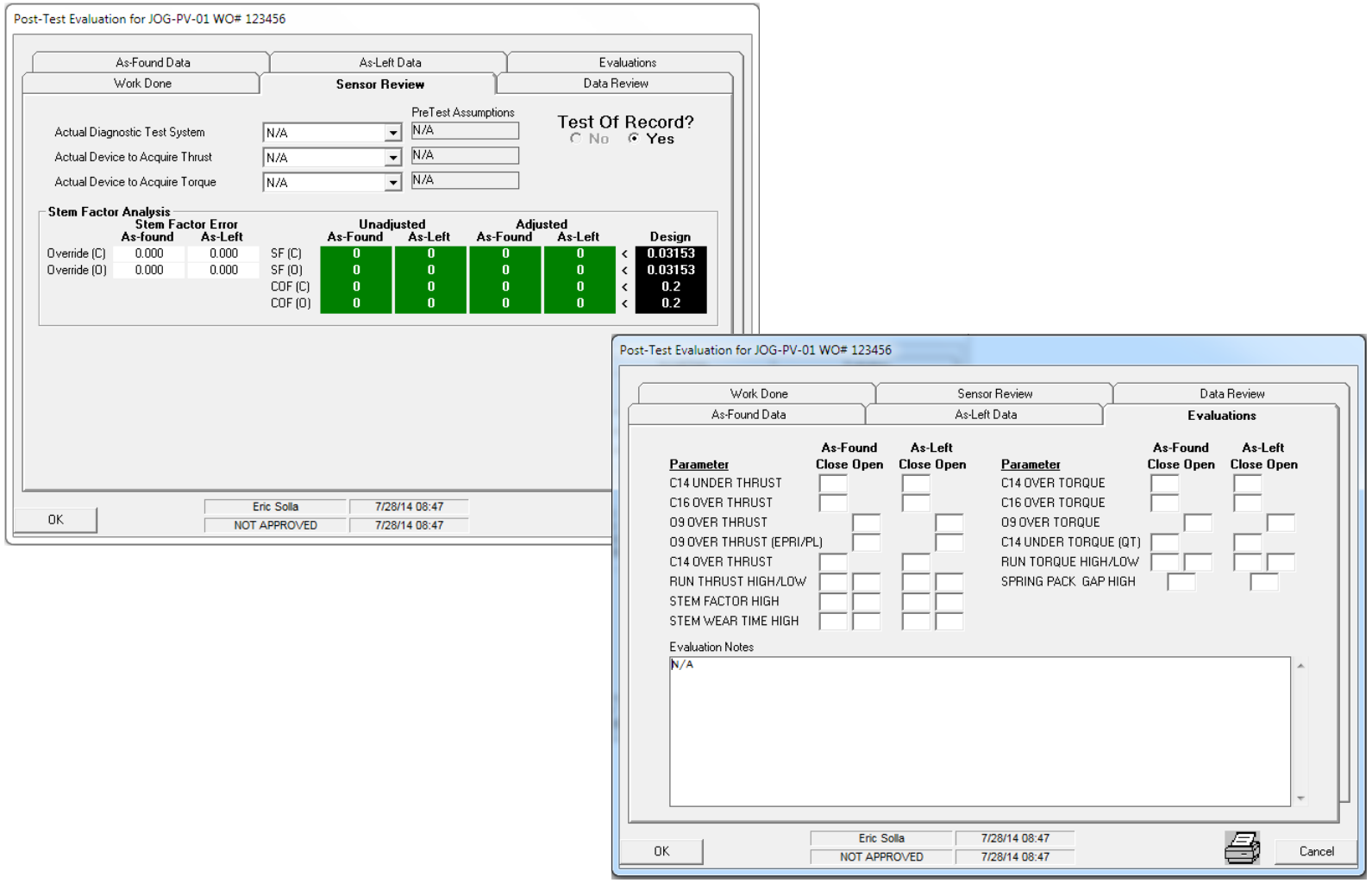


Software Suite Integration



- Test Results Imported from Quiklook
- Test Results Evaluated
- Margins Evaluated
- Stem Factor & COF Evaluated
- Running Loads Evaluated
- Trending

Software Suite Integration



Software Suite Integration

Valve Design Engine

MIDAS / ACE

Test Setup

MIDASTest / ACETest

- As-Left Test Results Imported
- Margins Evaluated
- Criteria Evaluated
- PVT Calculated

QUIKLOOK

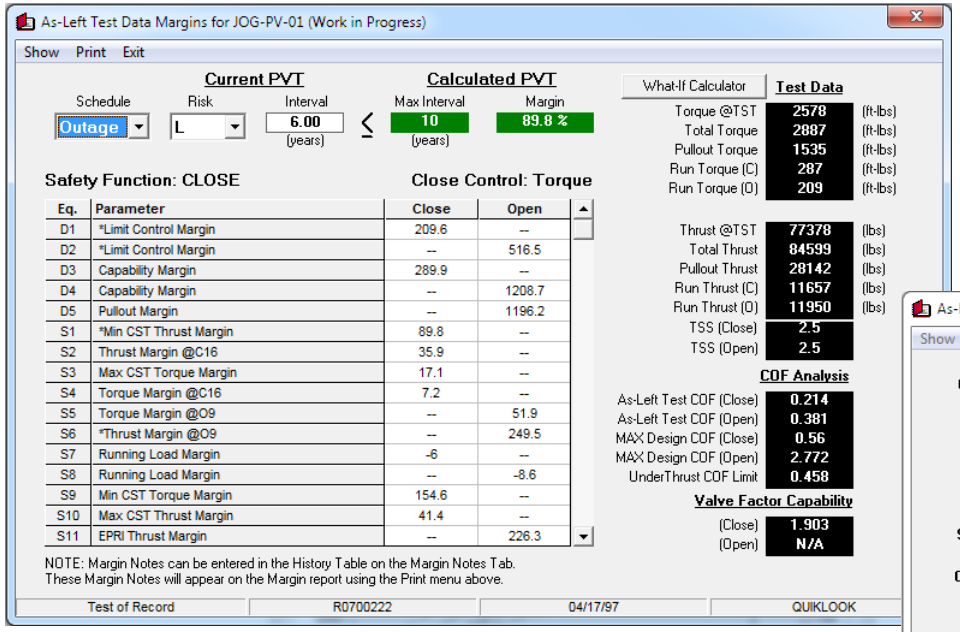
Test Analysis

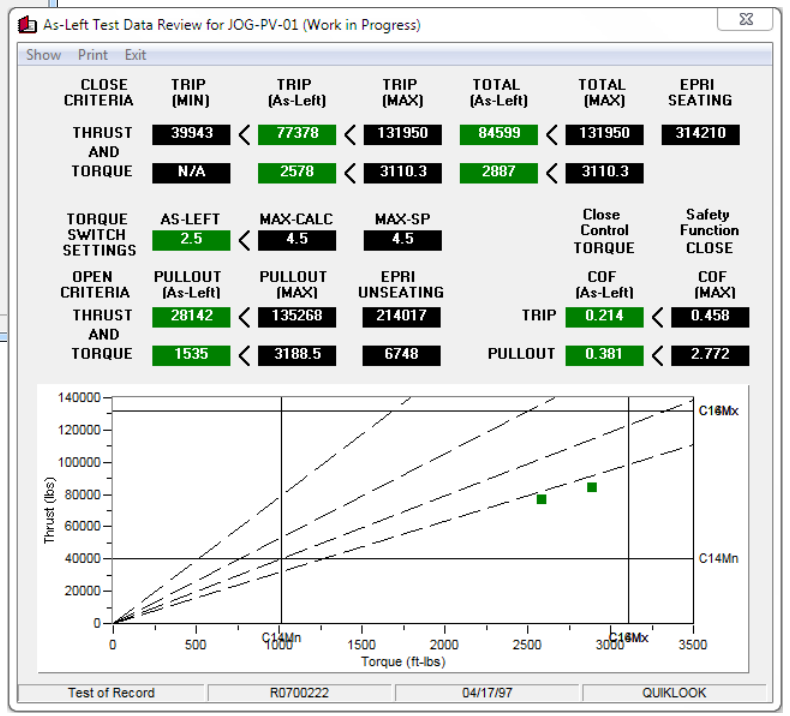
MIDASTest / ACETest

Valve Design Engine

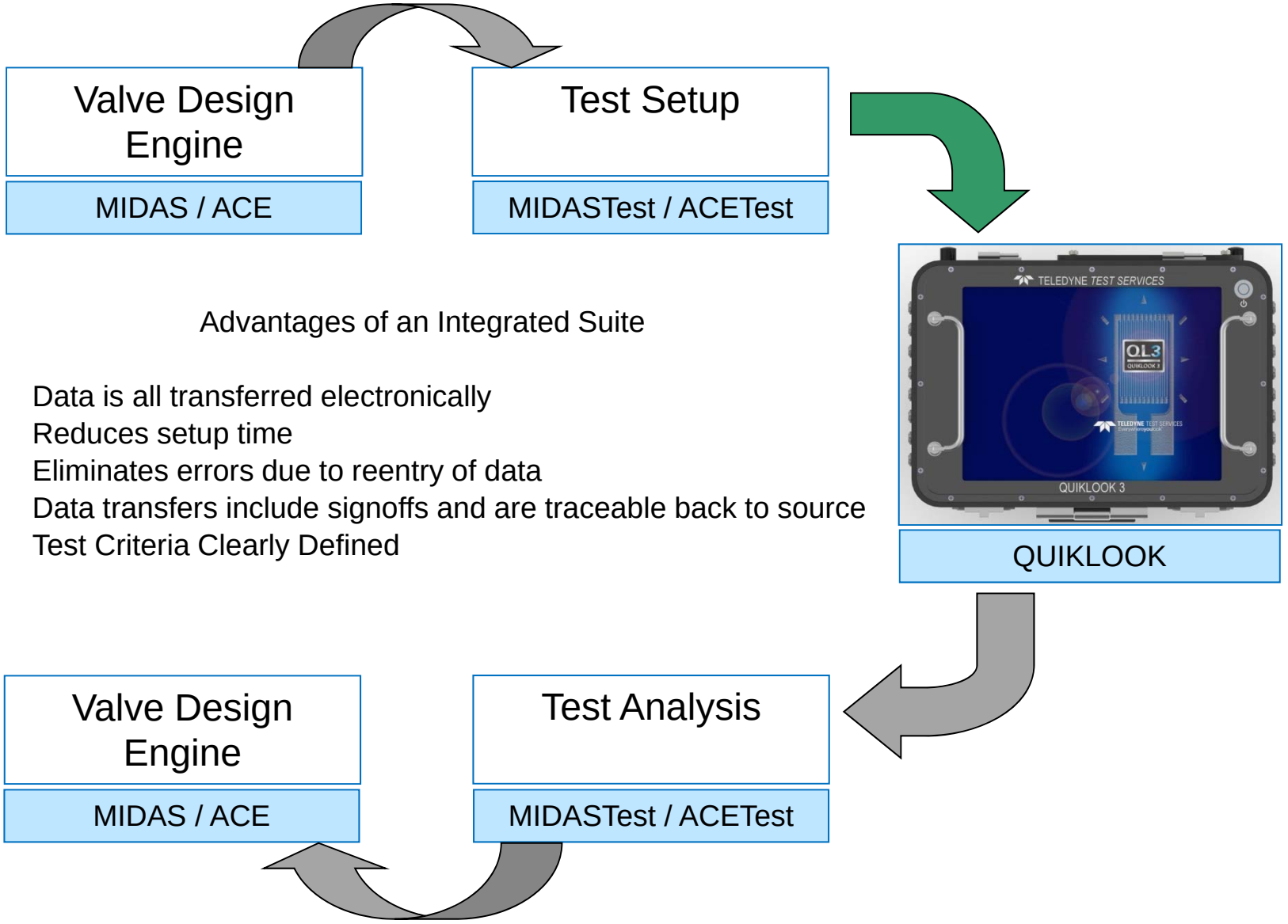
MIDAS / ACE

Software Suite Integration





Software Suite Integration



Advantages of an Integrated Suite

- Data is all transferred electronically
- Reduces setup time
- Eliminates errors due to reentry of data
- Data transfers include signoffs and are traceable back to source
- Test Criteria Clearly Defined

Any Questions?

THANK YOU

TELEDYNE TEST SERVICES
Everywhereyoulook™