SFC 4.0 Software Release Overview

Presented by: Murray McGrath

INSTITUTES FOR BEHAVIOR RESOURCES, INC.
shaping a better world

SFC 4.0 Software Release

- Major Release Themes:
  - Shift Working
    - Provide the ability to construct shifts/patterns for modeling
  - Enhanced Reporting
  - Enhanced Workload
- Production Rollout targeted for Q1 2020

Shift Work Module

- **Shift Details**
  - Shift Name
  - Start
  - Duration
- **Shift Patterns**
  - Pattern Name
  - Pattern Duration
  - Shift(s)
- **Create Schedule**
  - Schedule Name
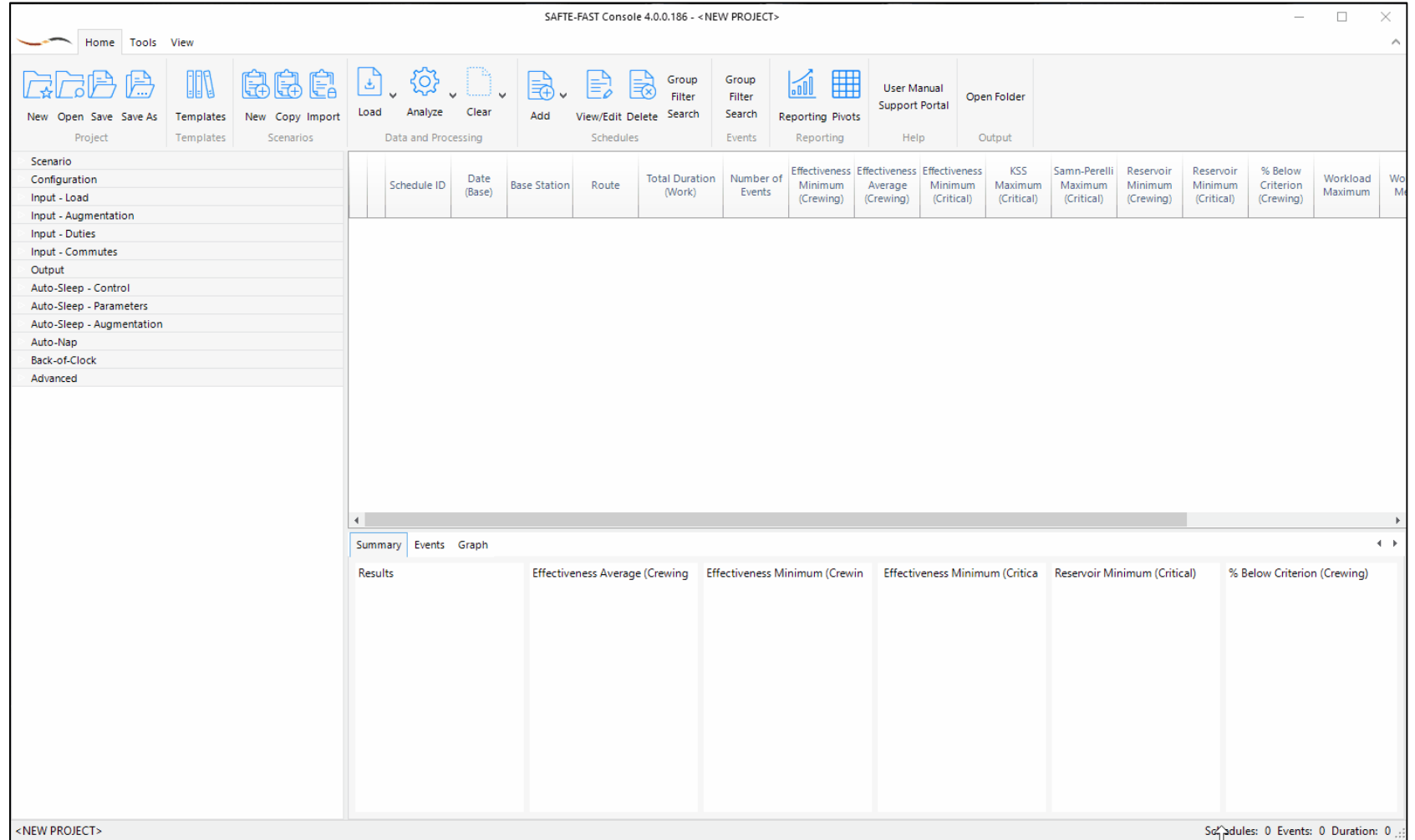 - Base Station
  - Start Date
  - Schedule Duration
  - Pattern

Shift Work Module

- Easy to use tool for the purpose of constructing shift patterns

- Multiple shifts & patterns can be stored for use

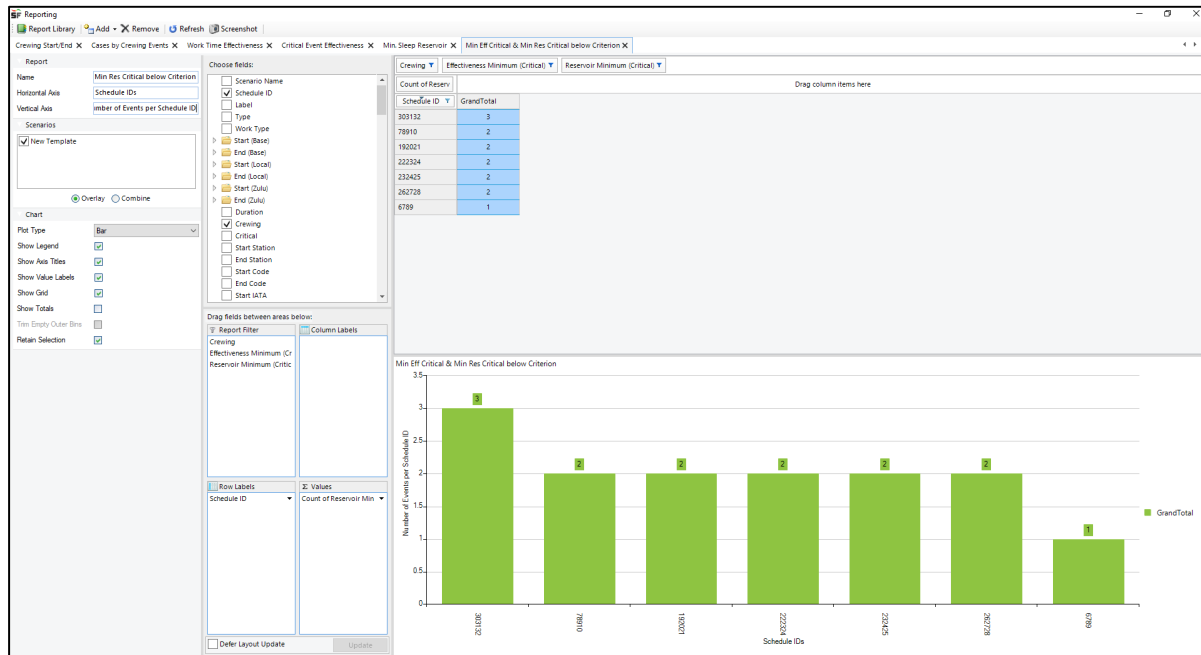- Can be used with a shift work template & shift work industry settings

Reporting

Reporting in 3.0

Reporting in 4.0

Reporting 4.0
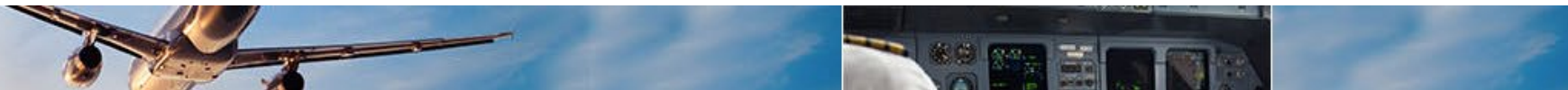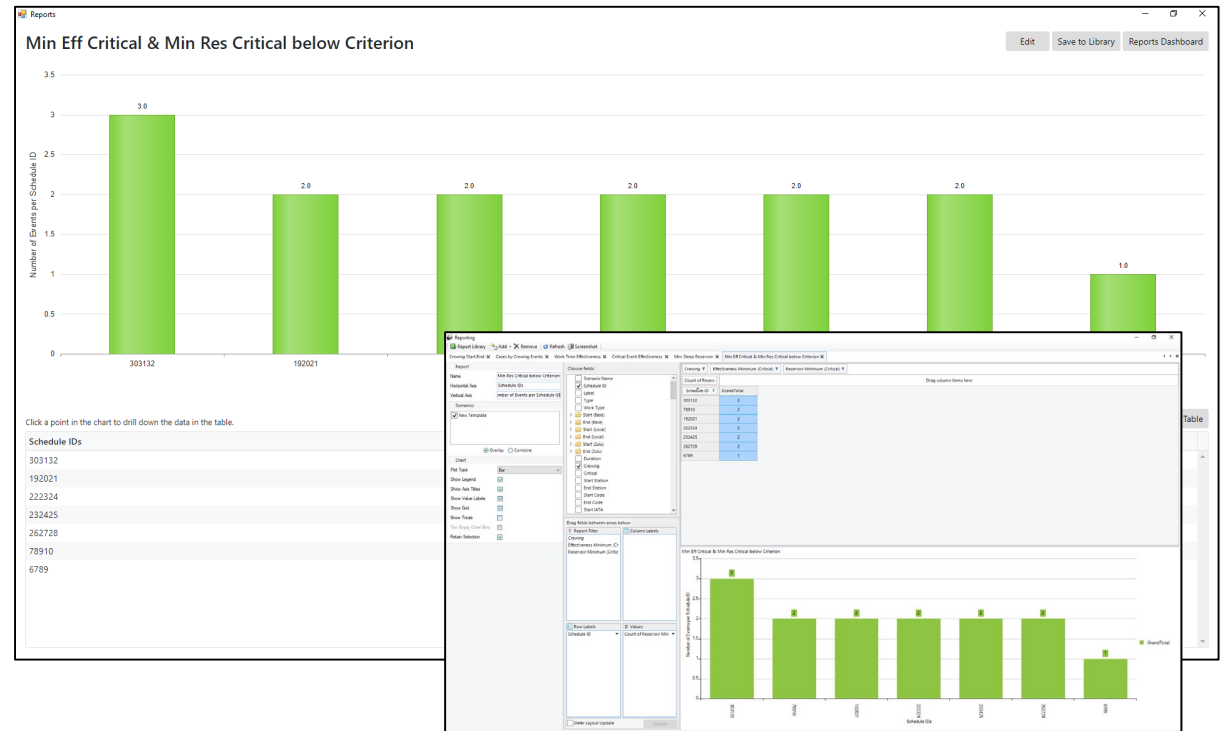
- Sortables and Attributes can now be used
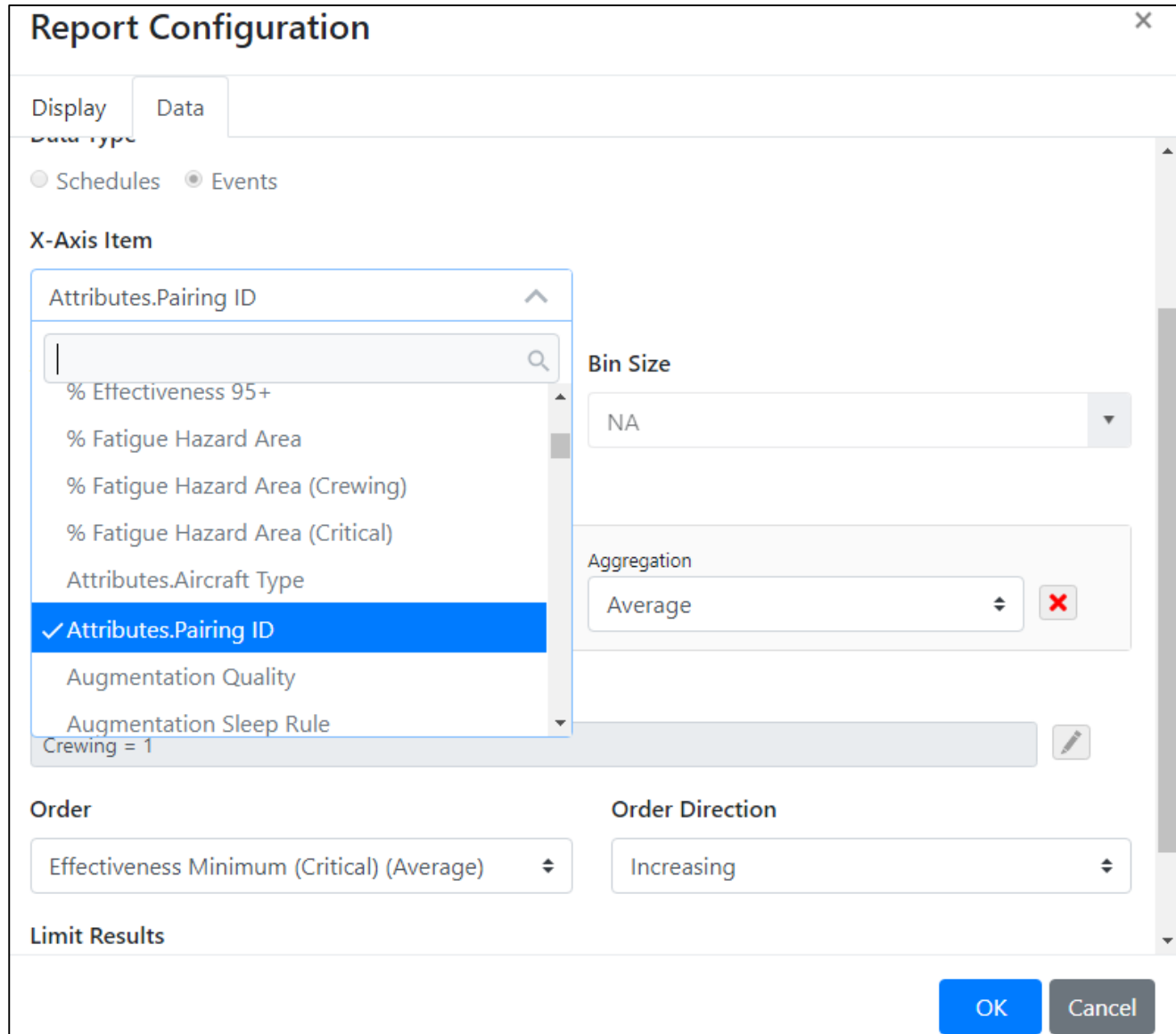 - **Sortable:** Unique Customer information included in datasets, at Schedule level
  - **Attributes:** Unique Customer information included in datasets, at Event level
- Find trends in your data by Flight Number of Pairing Number

Reporting 4.0
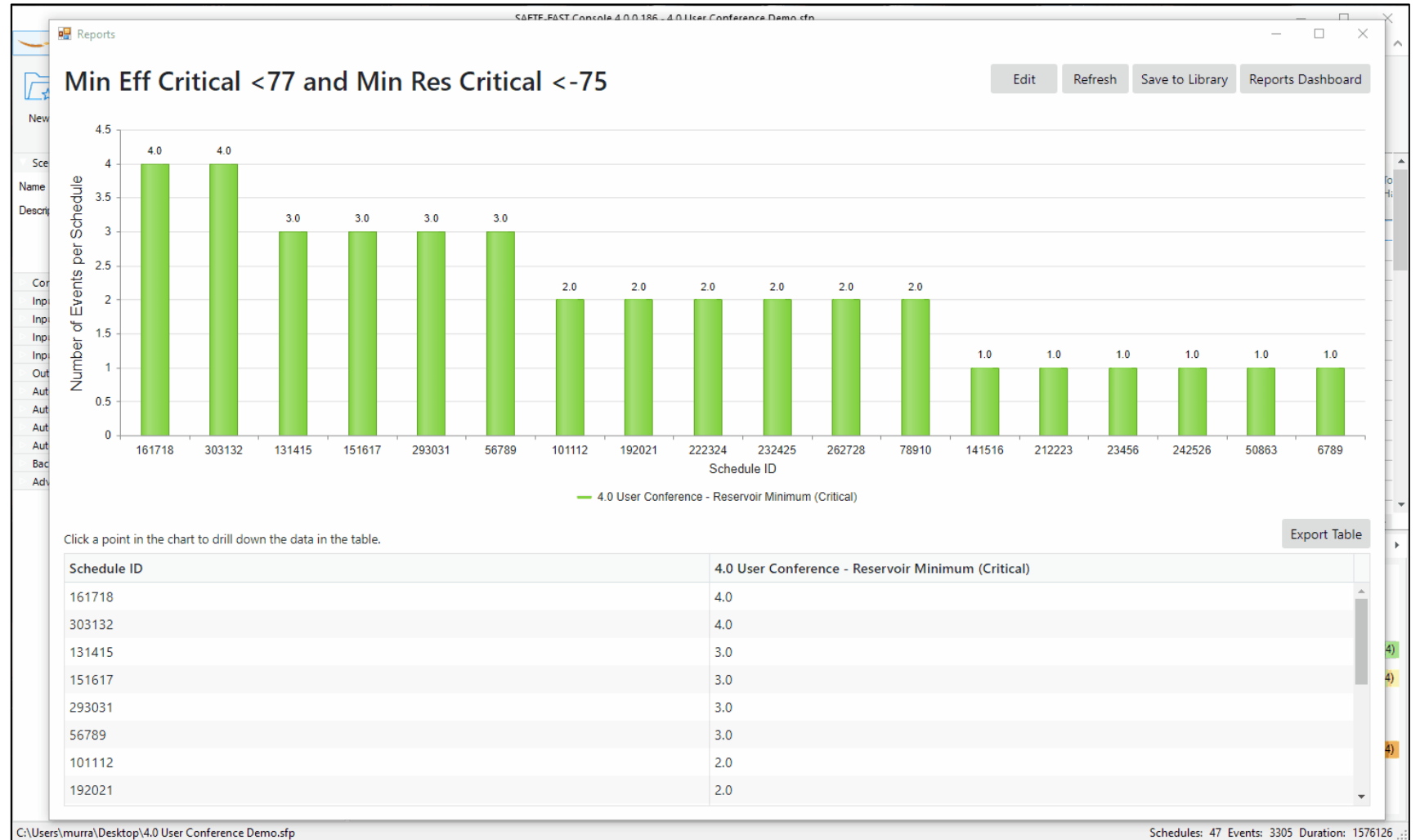
- Reports Dashboard
- Reports Library
- Easy to build and edit custom reports
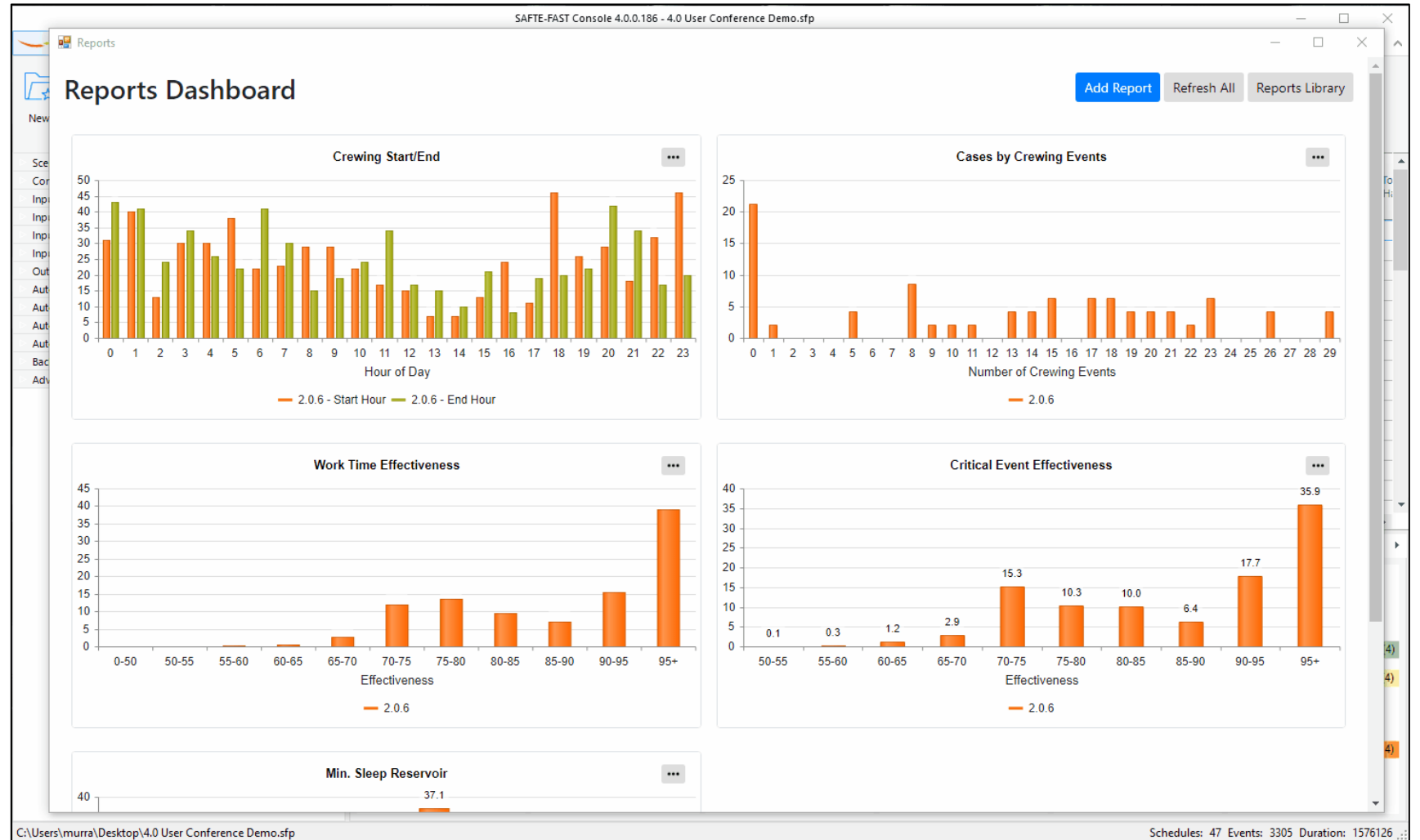
Reporting 4.0

- Exporting Functions

- Immediate Drilldown

- Customizable Metrics

- Launch Schedule Editor

Non-Crewing Event Markers

- Allow configured codes to be interpreted as markers instead of ignored
- Allow for Markers to be used to depict Non-Crewing Event Codes
- Can be used in analysis between planned and actual for days off, reserve
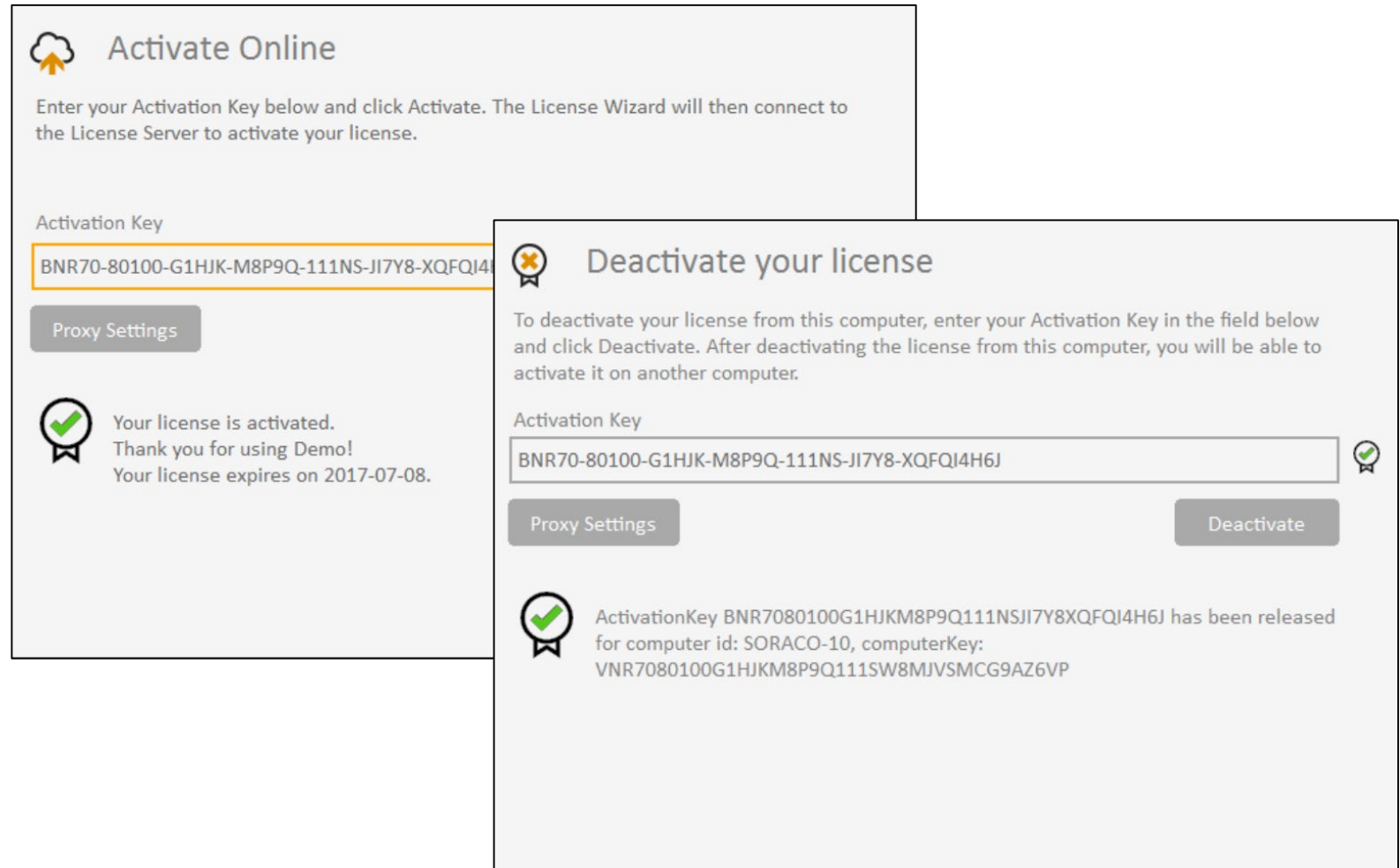- Will not change Effectiveness or Sleep Reservoir
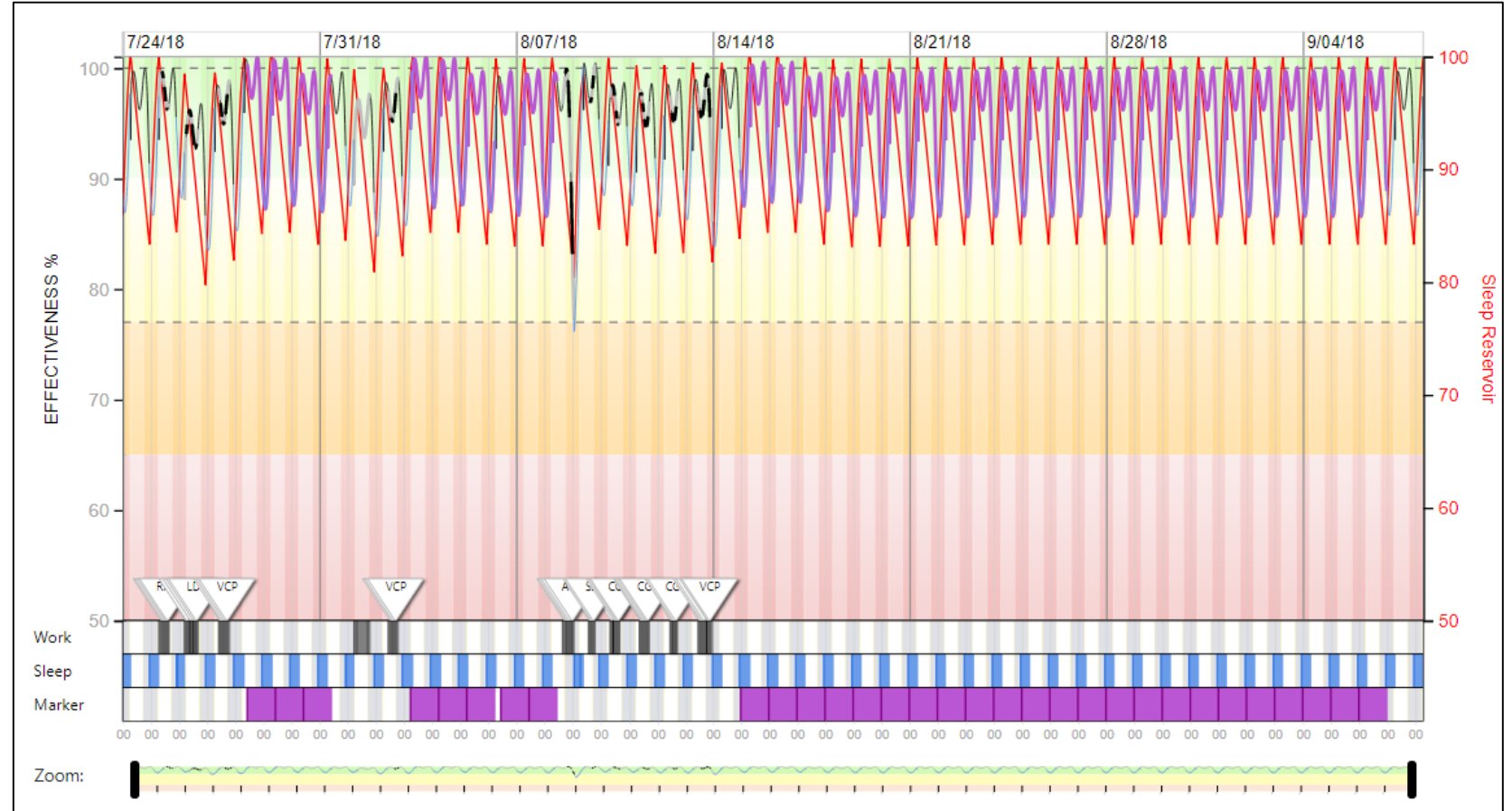
HTML5 User Manuals

- SFC & WebSFC

- User Friendly & Intuitive Format

- Easily Find Information

- Multi-media Content

Licensing Enhancements
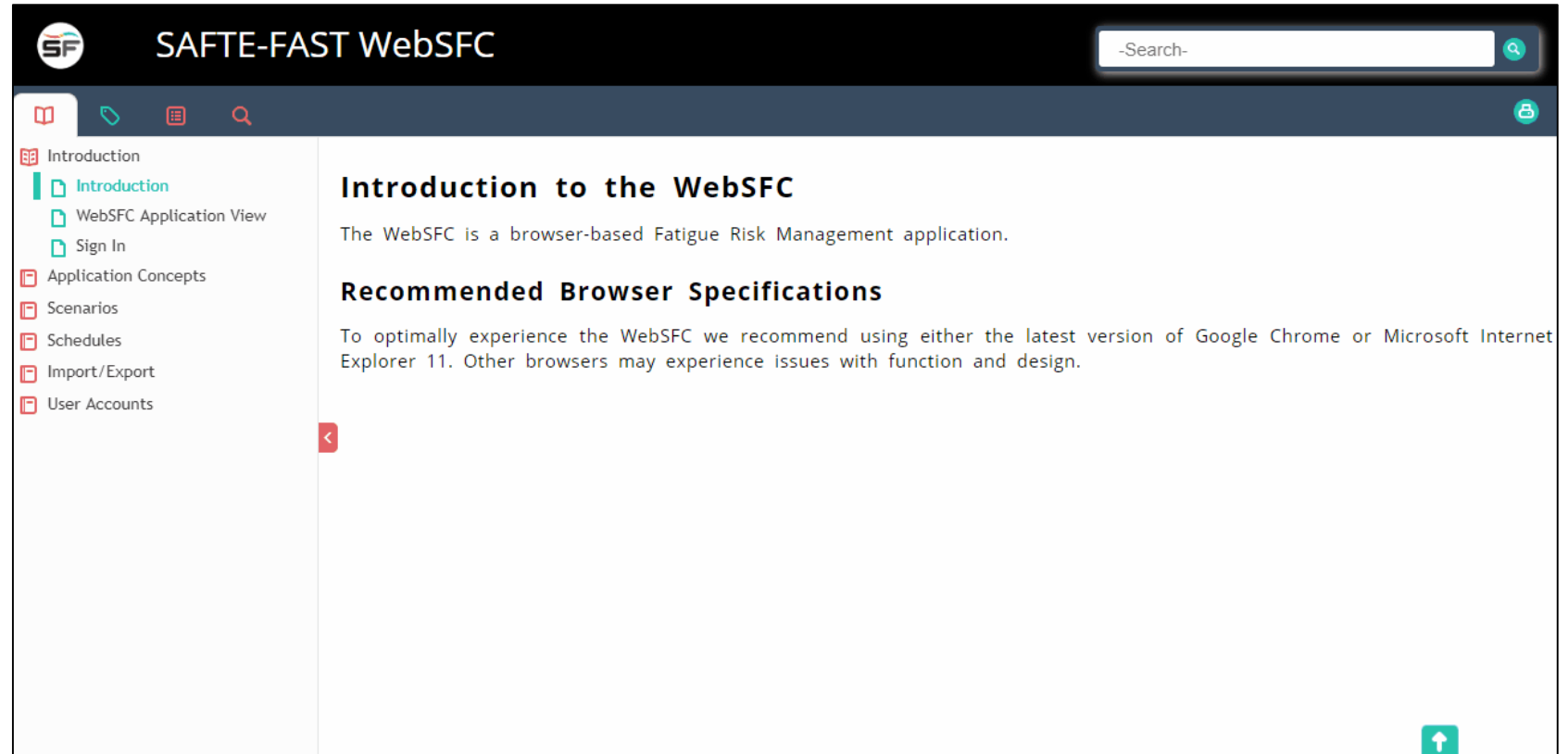
- No longer controlled by IBR

- Customer will receive a set of serial numbers (per user requirement)

- Serial Number can be managed as required
  - Activate
  - Deactivate
  - Re-alloacate

- No longer require annual license renewals

- Customer will need to re-license with IBR when transitioning to 4.0

SFC-1712: User Defined Workload Factors

- Currently factors exist for Time of Day, Season, ATC and Terrain.

- In 4.0 the user will be able to define custom factors. These custom factors can be named as required and will contribute to the total workload score. **Ex. Non-Precision Approaches**

- Additional Conditions will be made available outside of simply location. These will include Labels and Crewing. **Ex. TRG Label for Training**

Custom Weighting

- Users can define the weight of each factor, giving some factors more or less significance

Workload Enhancements

SFC-1129: User Defined Look-back Period

- Currently a 72 hour look-back is used. In 4.0, the user will be able to define the look-back period.

- **Potential Use:** Regional Operators with pairings longer then three days that include a high number of legs.
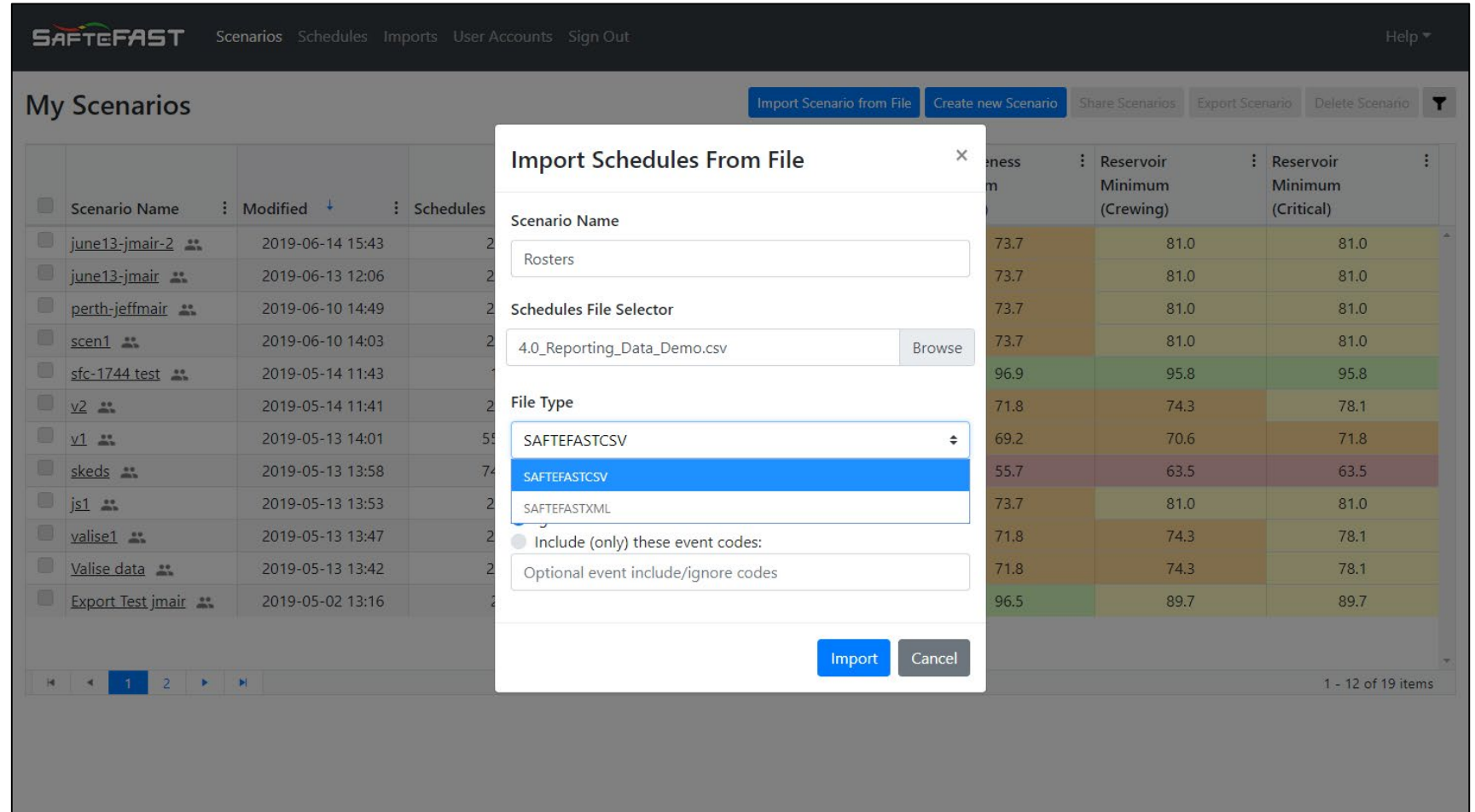
SFC-1770: Multiple Event Triggers

- Time periods can be configured to define how often workload should be incurred during an event.

- **Potential Use:** For Shift Work, factors can be triggered every 60 minutes, incurring a weight of 0.5 each time. So, an 8 hour event will add (8 * 0.5) 4 units to the total score.

INSTITUTES FOR BEHAVIOR RESOURCES, INC.
shaping a better world

Importing Data

Web SFC Enhancements

Data Importers
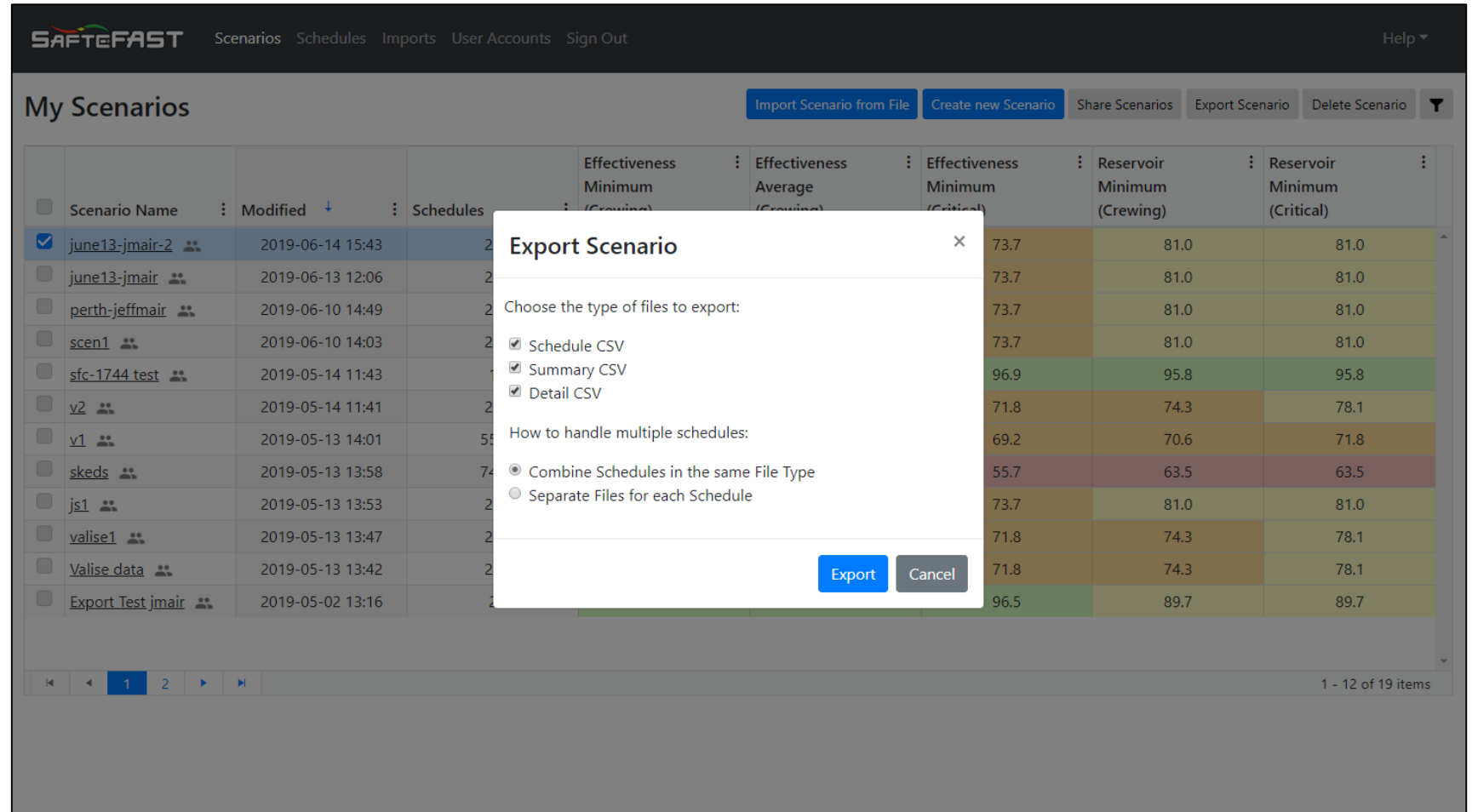- SAFTE-FAST CSV
- SAFTE-FAST XML

Exporting Data

Web SFC Enhancements

Data Exports

- Exporting for:
  - Summary CSV
  - Schedule CSV
  - Detail CSV
- Files can be generated individually or combined in one file

Shift Work Module

Web SFC Enhancements

Shift Work

- Feature Parity with the SFC

The **Worldwide Leader** in **Aviation** for
Fatigue Management Solutions

Questions?

Conclusion of Presentation