

FACTS™

Fatigue Accident/Incident Causation Testing System

Do you know:

- What percentage of your company's incidents/accidents are caused by human fatigue?
- How much fatigue-related accidents cost your company each year?

Unless you have FACTS, you probably don't know.



- ✓ **Get the FACTS:** FACTS is an expert web-based system that calculates the probability of whether a person was impaired by fatigue at the time of an accident or incident.
- ✓ **Know the Cost of Fatigue:** With a FACTS license, your organization can track the true cost and impact of fatigue incidents throughout your global operations.
- ✓ **Expert Fatigue Analysis:** With FACTS, you no longer need a panel of fatigue experts to determine if a human error or incident was caused by fatigue.

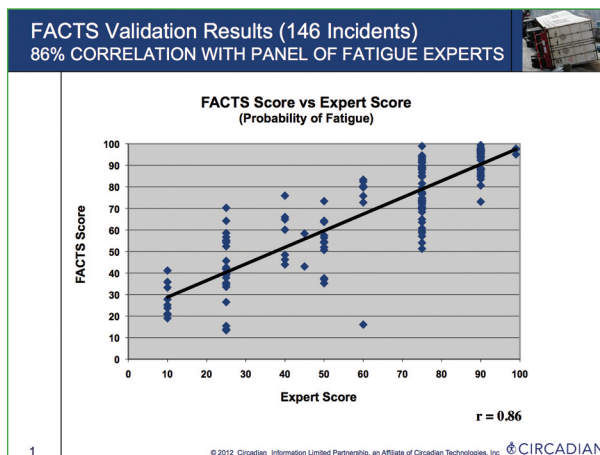


FACTS™ – Objective Determination of Fatigue Incidents

FACTS is a web-based system that will let you know the probability of whether a person was or was not impaired by fatigue at the time of an accident or incident. FACTS is:

- **Objective** – Creates a standard for investigating all incidents, accidents and near misses.
- **Scientifically validated** – FACTS probability judgments correlate 86% with the judgments of expert human panels.
- **Easy to use** – No training required. Features a simple drop-down menu for collecting the incident data as part of the normal accident reporting process
- **Fatigue Risk Management System Tool** – In a data-driven FRMS, FACTS allows an organization to assess, benchmark and measure the impact of their FRMS initiatives in terms of reduced costs, risks and liabilities.

FACTS™ Validation



FACTS was validated with two data sets:

1. Data from exhaustive NTSB investigations of 102 truck accidents to determine the role of fatigue.
2. Investigation data from 44 diverse industry and transportation accidents analyzed by Circadian experts during litigation cases.

Results: Fatigue probability determined by FACTS showed high correlation (86%) with expert assessments.

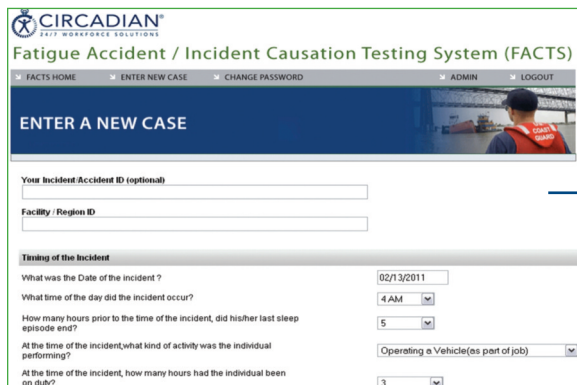
Why Do You Need FACTS™

Fatigue is one of the most pervasive causes of human error-related accidents, incidents, and injuries – costing billions of dollars each year. Yet:

- Fatigue is under-reported and under-investigated during accident/incident investigations.
- Companies rely excessively on subjective evaluations – With no simple test (e.g., blood, urine or breathalyzer) to determine fatigue, the data is often inaccurate.

Until now companies have not had a systematic nor reliable tool for investigating fatigue.

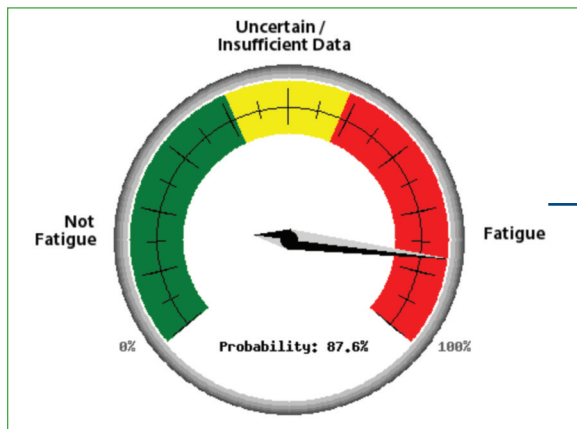
How Does FACTS™ Work?



The screenshot shows the 'ENTER A NEW CASE' form on the FACTS website. The form includes fields for 'Your Incident/Accident ID (optional)', 'Facility / Region ID', and a 'Timing of the Incident' section. The 'Timing of the Incident' section contains several questions with corresponding input fields: 'What was the Date of the incident?' (02/13/2011), 'What time of the day did the incident occur?' (4 AM), 'How many hours prior to the time of the incident, did his/her last sleep episode end?' (5), 'At the time of the incident, what kind of activity was the individual performing?' (Operating a Vehicle(as part of job)), and 'At the time of the incident, how many hours had the individual been on duty?' (3).

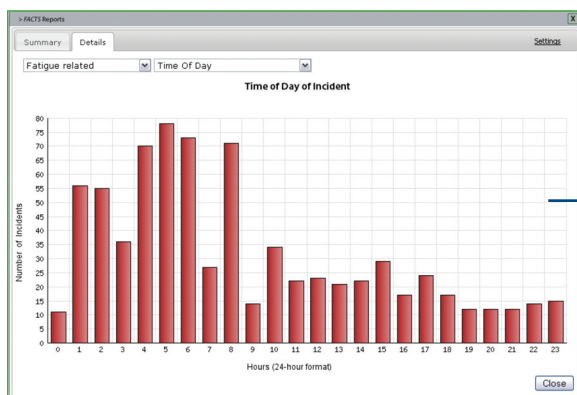
STEP #1

Any manager investigating an incident at their worksite can quickly log onto the FACTS website and enter the information needed to investigate fatigue. For every incident/accident, the user answers a standard set of questions, related to the event, from a drop-down menu.



STEP #2

The probability of fatigue impairment is instantly calculated by the FACTS website. The more answers the user provides, and the more accurate these answers are, the higher the degree of reliability of the FACTS score.



STEP #3

Approved corporate administrators of your FACTS system can access a Graphical Reporting Interface, featuring real-time visualization of data.

The user can obtain statistics and identify trends by filtering, displaying and downloading incidents based on factors, such as: Time of Day, Day of Shift, Type of Activity, etc.

FACTS™ License

Companies can now store, analyze and benchmark their own global fatigue risk data with a corporate FACTS license.

- **Global 24/7 Access** – Available online 24/7 for all your global operations.
- **Customized** – You determine user rights and privileges.
- **Easy to Use** – Features a simple data collection system with a drop down menu and no open ended questions.
- **Objective** - Creates a standard for investigating all incidents and accidents.
- **Graphical Reporting Interface** - Real-time visualization of data.
- **Identify Trends** – Filter, display and download incidents based on different factors (Time of Day, Day of Shift, Type of Activity, etc.)

FACTS™

A Breakthrough Tool for Qualifying and Quantifying Corporate Fatigue Risks and Costs

For further information, please contact:

Phone: 781-439-6300
Email: facts@circadian.com

FACTS™ Free Trial: Available at facts.circadian.com
(limited to five cases)

