

GRAID FRMS: Organisational Fatigue Risk-Grading

About InterDynamics

InterDynamics is a leading provider of decision support and risk management methodologies and software. Servicing an international market, our extensive client base spans the spectrum of shiftwork and safety-critical industries, including transportation, mining, logistics, healthcare and manufacturing.

Fatigue Risk Management Solutions:

Helping businesses identify, assess and manage the risks associated with work-related fatigue at both operational and management levels.

Decision Support Solutions:

Helping organisations plan and schedule their business operations more effectively.

Our collaborative approach to customer service also helps us stand out from the crowd. Our experienced team can call on a wealth of problem-solving expertise to offer advice that is both practical and implementable.

Please contact us to find out more on this or our other offerings

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GRAID FRMS™ is an organisational fatigue risk-grading tool, used to rate the adequacy of current and future safeguards, making up an organisation's Fatigue Risk Management System (FRMS). Twenty-four fatigue grading elements or risk factors, assigned varying levels of importance, are reviewed. At the end of the review an overall grading is determined, providing feedback on the level of protection of the organisation's FRMS against fatigue-related risks. This systematic assessment tool gives participants the opportunity to express their views on fatigue-related exposures and risks that are grounded both in objective data as well as participants' experience.

InterDynamics and Zurich Risk Engineering have developed the organisational fatigue risk grading system to provide senior and operational managers of organisations a systematic methodology to ascertain the quality of their organisational risks associated with fatigue. Information from the grading process can be used to enhance the development and implementation of the organisation's fatigue risk management initiatives.

GRADING DETAILS											
Client performing analysis		DEMO			Date of As Is		29 May 12				
Workgroup under analysis		DEMO Role			Date of To Be		29 May 13				
GRAID Elements		24		Exposures		11		Controls		13	
Element	Type	Risk Factor			Importance	As Is	To Be				
E1	Exposure	Potential consequences of a fatigue-related occurrence			VH	D	D				
E2	Exposure	Commuting			H	A	A				
E3	Exposure	Quality of employer provided sleeping environment			M	B	B				
E4	Exposure	Operating hours			VH	C	D				
E5	Exposure	Predictability of planned hours of work			L	A	A				
E6	Exposure	Variability in operational demand			H	A	A				
E7	Exposure	Employee engagement			M	C	B				
E8	Exposure	Opportunities and incentives which may increase personal fatigue			H	A	A				
E9	Exposure	Secondary activities			H	B	B				
E10	Exposure	Workforce turnover			L	C	B				
E11	Exposure	Working fatigue level			H	A	A				
C1	Control	Roster planning processes			M	A	A				
C2	Control	Hours of Work (HOW) - fatigue assessment			H	B	A				
C3	Control	Fatigue hazard analysis			M	C	B				
C4	Control	Fatigue Tolerance Level (FTL)			M	A	A				
C5	Control	Workforce profile and capacity planning			M	C	B				
C6	Control	Fatigue risk management policies and procedures			L	B	B				
C7	Control	Communication and consultation frameworks			L	C	B				
C8	Control	Fatigue-related training			H	D	B				
C9	Control	Compliance			M	C	B				
C10	Control	Contingency and emergency procedures			H	D	C				
C11	Control	Incidents and accidents			M	B	A				
C12	Control	FRMS continuous improvement			M	D	B				
C13	Control	Diagnosis and treatment of sleep disorders			M	C	B				

Overall		As Is	Current Rating	Poor
		To Be	Potential Rating	Fair

Applied as a benchmarking tool, GRAID FRMS can be used at a later stage to compare current and past results to document any achievements and changes in the organisations FRMS.