



IRF
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Road Safety Audits and Safe Roads By Design®

Expert training by professionals, for professionals

Amsterdam, Netherlands
May 18-24, 2024



Workshop



Road Safety Audits and Safe Roads by Design

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Background

This specialized course on Road Safety Audits and Safe Roads by Design offers an in-depth exploration into the critical aspects of road safety and effective design principles. Aimed at engineers, planners, and road safety professionals, the training provides a comprehensive understanding of how to conduct thorough road safety audits at various stages of road development. Participants will engage in learning about the latest standards and methodologies for identifying and mitigating potential road safety issues. The course also covers the principles of 'Safe System' approach and 'Vision Zero' concepts, emphasizing the importance of designing roads that inherently reduce the risk of accidents and enhance safety for all road users. Through a blend of theoretical knowledge and practical case studies, attendees will acquire the skills necessary to design, evaluate, and improve road networks to ensure maximum safety. This training is essential for professionals committed to creating safer roads and reducing the incidence of road accidents in their communities.

Learning Objectives

- ✓ **Mastery of Road Safety Audit Procedures:** Participants will gain expertise in conducting comprehensive road safety audits at different stages of road development, including pre-construction, construction, and post-construction phases.
- ✓ **Understanding of Safe Road Design Principles:** Attendees will learn about the essential principles of Safe Roads by Design, including strategies to anticipate and address potential safety issues in road design and planning.
- ✓ **Application of 'Safe System' and 'Vision Zero' Concepts:** The course will enable participants to apply the 'Safe System' approach and 'Vision Zero' principles in their work, focusing on the goal of eliminating fatalities and serious injuries on the road.
- ✓ **Identification and Mitigation of Road Safety Risks:** Learners will develop the ability to identify potential road safety risks and understand effective measures to mitigate these risks, ensuring a safer environment for all road users.
- ✓ **Enhanced Skills in Safety-Focused Road Evaluation and Improvement:** The training will equip attendees with skills to evaluate existing road networks for safety concerns and implement improvements based on audit findings and best practices in road safety.
- ✓ **Awareness of Latest Standards and Methodologies in Road Safety:** Participants will be updated on the latest standards, methodologies, and technologies in road safety, enabling them to stay current and effective in their roles as road safety professionals.

Target Audience

- National Road & Transport Agency Executives
- Highway Engineers and Managers
- Federal and State Road Safety Agencies
- Road Safety Professionals
- Private Consultants & Contractors

Lead Instructor



John B. Griffith, Jr., PhD

John is a highly experienced Road Safety Audit Team Leader with a 35-year background in law enforcement. A Traffic Crash Investigator and Highway Crash Reconstructionist, Dr. Griffith's experience in both the civilian and military milieu has taken him to over 55 countries in his career, giving him a great deal of insight into factors that play into highway crashes. John brings his experience in Investigations, Road Safety Audits, Highway construction and active Road Safety Best Practices, coupled with decades of experience in International Business, Project Management and Curriculum and Training Development. John has also given numerous road safety presentations to international audiences with the

International Road Federation, ATSSA, UNITAR and CIFAL.

John is an independent consultant in Highway Safety and the Vice President of a highway Safety Barrier manufacturing company. He is a Committee Member with the American Traffic Safety Services Association, a certified IRF Road Safety Audit Team Leader, a John C. Maxwell certified Executive Trainer and a decorated US Army combat Veteran.

Registration

- **3,000 USD IRF Members / Groups of 3 or more**
- **3,500 USD Non-IRF Members**

Registration: <https://www.irf.global/event/rsa24-ws-amsterdam/>

For any support, please contact melabyad@irf.global

Agenda

Saturday - Friday (9:00 AM – 4:00 PM)

Day 1: Introduction to Road Safety Audits and Design Principles

- Morning Session:
 - Course Introduction and Objectives
 - The Importance of Road Safety Audits
 - Principles of Safe Road Design
- Afternoon Session:
 - Overview of Traffic Safety Management
 - Interactive Workshop: Understanding Road User Behavior
 - Group Discussion: Challenges in Road Safety

Day 2: Standards and Regulations in Road Safety

- Morning Session:
 - National and International Safety Standards
 - Understanding Legal Frameworks and Compliance
- Afternoon Session:
 - Case Studies: Successful Road Safety Implementations
 - Group Activity: Analyzing Different Road Safety Models

Day 3: Road Safety Audit Processes and Procedures

- Morning Session:
 - Stages of Road Safety Audits
 - Preparing for a Safety Audit: Tools and Techniques
- Afternoon Session:
 - Conducting Effective Road Safety Audits
 - Workshop: Role-Playing a Road Safety Audit Scenario

Day 4: Designing for Road Safety

- Morning Session:
 - Safe Road Design Concepts and Techniques
 - Pedestrian and Cyclist Safety in Road Design
- Afternoon Session:
 - Designing for Vulnerable Road Users
 - Interactive Session: Redesigning a Road for Safety

Day 5: Technology and Innovation in Road Safety

- Morning Session:
 - Emerging Technologies in Road Safety
 - Smart Infrastructure and Intelligent Transport Systems
- Afternoon Session:
 - Data-Driven Approaches to Road Safety
 - Group Exercise: Developing a Technology-Enhanced Safety Plan

Day 6: Field Trip

- Full Day:
 - Visit to Road Safety Projects or Audit Sites
 - On-Site Demonstrations of Safety Audit Techniques
 - Practical Insights and Live Observations
 - Discussion and Analysis of Field Trip Learnings

Day 7: Advanced Topics and Program Closure

- Morning Session:
 - Advanced Road Safety Strategies
 - Road Safety in Different Environmental Conditions
- Afternoon Session:
 - Final Discussions and Q&A
 - Course Summary, Evaluation, and Certificates

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IRF[®]
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International Road Federation

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