



Synopsis of EVOC-101 Web™

(Provides a basic understanding of Intersection Negotiation and Analysis)

EVOC-101 Web™ provides a comprehensive five lesson format that introduces the student/in-service officer/remedial candidate to EVO survival techniques essential for safely navigating an intersection.

- ◆ Designed for all Emergency Vehicle Operators: Police, Fire, and EMT
- ◆ Incorporates over 3 years of actual field use, training, analysis and testing by emergency vehicle operators, EVO Trainers and instructional designers
- ◆ Fulfills remedial driver training requirements
- ◆ Fulfills 2 hours of mandatory driver training
- ◆ Accredited by the “Criminal Justice Standards and Training Commission “ for the State of Florida
- ◆ Meets Federal Law Enforcement Training Accreditation (FLETA) standards
- ◆ Provides a structured, measurable progression of knowledge of emergency vehicle basic handling skills, techniques, protocols and department policies.
- ◆ Presentation format and interactive graphics planned by professional Instructional System Designers
- ◆ Program and software is SCORM compliant

What EVOC-101 Web provides:

Ease of access, solid, uniform training for a department or agency, giving departments the ultimate in training flexibility (24/7 access, taken when time is available, short concentrated courses). Basic EVO instruction delivered in a clear and concise technique for recruits, in-service personnel and remedial training.

Origin of Criteria (why EVOC-101 is so pertinent)

- National survey of emergency response training procedures and techniques
- Review of case law involving emergency response incidents
- Conformance with standards promoted by IADLEST, ALERT, FLETC, CA, UT & AZ POST
- Comparison of municipal, state, and federal guidelines



Creating the EVO mind set



EVOC 101 Web (web-based training) provides the first stage of a blended learning curriculum for police, fire and other emergency vehicle drivers. It presents in a classroom setting the techniques, concepts, rules, and procedural knowledge necessary for emergency responders to drive safely and effectively in emergency response situations. Topics such as proper vehicle position, using lights and siren, using oncoming lanes, and silent response are covered in a graphic rich, interactive format. This multi-media courseware prepares

users for “hands-on” practice in a simulator or in a vehicle on the range. EVOC-101 Web also provides experienced emergency response drivers with a quick review of policy issues and perishable skills.

EVOC-101 Web is SCORM compliant. Courses are designed to be stand alone with minimal instructor participation. Students can bookmark their progress. Each course is divided into short lessons of 20-30 minutes. Courses are accessed by subscribing to each course on the St. Petersburg web site. Content conforms to NHTSA standards and was influenced by recent case law, FLETC and state P.O.S.T. criteria.



Curriculum meshes with PatrolSim exercises

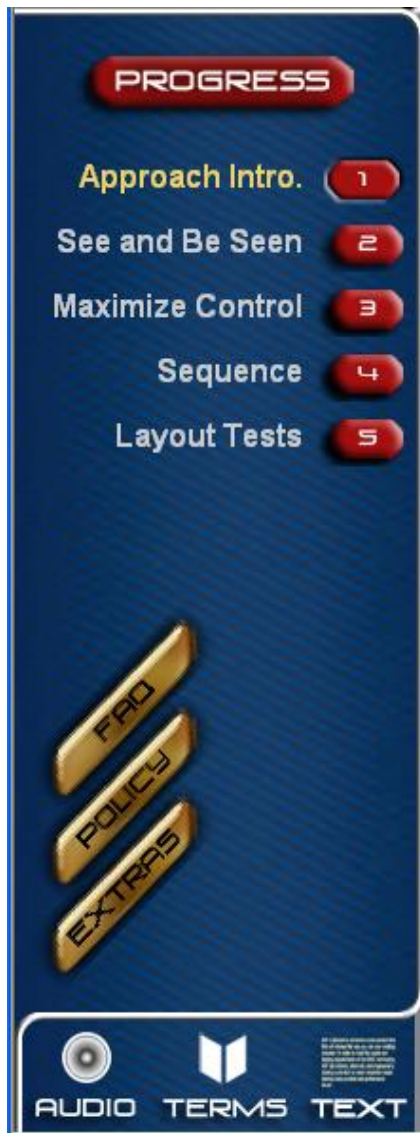
The screenshot shows the EVOC-101 web interface. At the top left is the 'EVOC-101' logo. The main header is 'Intersection Approach' with 'PAGE 1 of 17' and a right arrow. On the left is a 'PROGRESS' sidebar with a list of lessons: 'Approach Intro.' (1), 'See and Be Seen' (2), 'Maximize Control' (3), 'Sequence' (4), and 'Layout Tests' (5). Below this are 'PRO', 'POLICE', and 'EXTEND' buttons. At the bottom left are 'AUDIO', 'TERMS', and 'TEXT' icons. The main content area features the 'EVOC - 101' logo, 'Emergency Vehicle Operation Courseware', and the title 'Negotiating Intersections'. Below the title is 'Lesson A: Intro and Approach'. At the bottom of the main area is a 'TIP' box with an information icon and the text: 'Click the right arrow to begin the lesson or Help Page to learn more about how to get around in this course.'

AST's new Web presentation interface includes a crisp uniform look with easy to understand features

EVOC-101 Web provides web-based, self directed EVO courses



Description of Screen Features and Functionality



- The progress button allows the user to see where he or she is in the lesson at any time.
- The topic buttons can be used to easily skip through lessons or, if progress is restricted until prior pages are completed, they function as an advanced organizer and mechanism for easy review.
- The pop-up glossary (TERMS) enhances the learning experience by providing instant access to terms and definitions at any point during course. This feature helps prevent a skipped gradient that can impede learning.
- The text button provides full written transcription of audio narration. This feature is useful in adapting to individual learning styles or in providing reinforcement of the lesson's message in a noisy environment.
- The audio on/off button and media file controls allow additional options for the user to control the learning environment.
- FAQs (frequently asked questions) allow users to drill down for answers to specific questions. Because this page is centrally located on the server, it can grow and change as the program matures. Plans for expansion of this feature include direct query of experts and e-mail response.
- Policy provides an optional link for municipalities or departments to post their own specific policies relating to emergency driving.
- The extras option provides a vehicle for enrichment information such as current new articles, short video interviews, surveys, or humor that relate to the lesson. Future development will expand this option to allow web 2.0 features where local content can be added by instructors and users to reflect their own environment.

Passing Scores and Completion Certificates

Minimum passing score for all 5 tests at the end of each lesson is 80%. The Course may be taken twice to receive credit and a certificate of completion. Upon completing the last (5th) lesson, the student is taken to a summary sheet and can push a mouse button to have the computer print out a certificate.



Use of Graphics for lasting impressions

EVOC-101 Web is optimized for maximum visual impact. Copious use of rich graphical animations and stills add interest and present information in a clear, structured format illustrating high risk situations. A quick refresher for perishable skills



Motion Animation Sequences



Instructional Single Frame Slide

AST's graphical presentation provides an interactive and easy to understand review.

Intersection Analysis Course Description

◆ Intersection Approach

- Identify the primary goals of the Approach stage of intersection navigation
- Label highway travel lanes with corresponding reference numbers
- List the intersection approach tasks in sequence and link them to appropriate distances
- Select appropriate methods for maximizing vehicle control when approaching intersections
- Recognize the risks associated with improper intersection negotiation

◆ Intersection Assessment

- Describe how the assessment stage and the approach stage work together in intersection analysis
- Identify all the hazards and potential hazards in a given scenario
- Categorize the hazards as potential or immediate and prioritize them according to their level of danger
- Recognize the risks associate with each hazard



- ◆ Clearing the Intersection: Basics
 - List basic steps for clearing an intersection
 - Select appropriate methods for clearing an intersection
 - Recognize the risks associated with improper intersection clearing

- ◆ Clearing the Intersection: Advanced Skills
 - Recognize the additional hazards associated with clearing a congested intersection
 - Recognize the importance of slowing down and giving you additional time to recognize and respond to these hazards
 - List the steps for safely clearing a congested intersection
 - Know the methods for clearing an intersection when your lanes are blocked
 - Identify the most common mistakes made when clearing a congested intersection

- ◆ Intersection Departure & Course Summary
 - List the steps for safely departing an intersection
 - Recognizing the common hazards you might encounter during the departure stage
 - Recall all steps and key concepts in the EVO Intersection Analysis process

Extensive use of audio helps the user progress through each course allowing him or her to focus on visual information.

Frequent interactive exercises and quizzes check for comprehension, information recall and basic awareness of how the subject matter is implemented in the work environment. This structured feedback is designed to help clarify and reinforce each lesson's message.

The screenshot shows the EVOC-101 web interface. At the top, it says "EVOC-101" and "Intersection Approach". On the right, it says "PAGE 1 of 17". Below the title, there is a "PROGRESS" section with a list of items: "Approach Intro." (1), "See and Be Seen" (2), "Maximize Control" (3), "Sequence" (4), and "Layout Tests" (5). Below this is a "DRIVING" section with "AUDIO", "TERMS", and "TEXT" options. The main content area is a quiz titled "Intersection Approach" with the instruction "Click and drag each rule to the category where it belongs." There are two columns: "Approach" and "Clearing". The rules to be categorized are: "Pass vehicles on left.", "Proper lane position.", "One lane at a time.", "Keep siren pitch constant.", and "Turn on emergency equipment." At the bottom, there is a "Click on the Check Answer button." and buttons for "Reset" and "Check Answer".



Examples of an interactive exercise

Lessons present subject matter from many practical perspectives

EVOC-101 Web incorporates the best advantages offered by WBT technology

- Consistent presentation of information
- Use of rich visuals and animation to enhance comprehension
- Provides current reference information on FAQ and department policy
- Allows flexibility to add enrichment through Extras
- Uses exercises to assess and reinforce concepts, rules, and procedural knowledge at individual's level
- Tracks & reports on user and group performance and completion



Applying EVOC-101 Web knowledge on the track

Web lessons leave instructors free to do what they do best

- Provide specific feedback on individual task performance
- Act as role models
- Motivate and inspire