



EADSIM Training – User Rules

The User Rules course is part of the EADSIM Advanced Training Series. User Rules is the exciting new capability in EADSIM that provides the user significant flexibility in adapting tactics to the evolving situation. The course introduces the concepts and provides training that will empower your usage of EADSIM through mastery of the User Rules.

The User Rules capability allows the user to customize an EADSIM ruleset's actions. For example, a fighter's sensors can be turned on, off, and pointed in different directions as the fighter proceeds through the vector, engage, lock and launch actions. Alternatively, the user might prefer to make sensor changes based on platform-to-target geometry. This capability is also available, and examples will be built to turn on sensors when within certain range of the target.

The named status capability available through user rules allows the user to define conditions and associate names with them. These conditions then become actual status conditions that are checked during trigger evaluation. For example, if the user causes a fighter to turn on and point its sensors in a particular configuration; this configuration can be named the Engage Sensor Configuration. When evaluating subsequent triggers, whether or not the Engage Sensor Configuration is turned on can be a status for determining how the platform will react. This provides the user with extensive control over the ruleset actions.

One of the key features of the User Rules is to allow one platform to trigger another platform. The triggered platform does not have to be connected to the triggering platform in a standard EADSIM relationship, such as a commander or flight leader. For example, an airborne sensor that is leaving a target area can trigger a fighter flight to turn on additional sensors. Or a scripted AGAttacker can trigger its jamming escort to return to base upon completion of the AGAttacker's mission. The User Rules response delay allows a timing delay to ensure that the AGAttacker will have escort jamming until it has left the immediate target area.

Another key feature of the User Rules capability is the user's ability to cause an aircraft to change its flight pattern. For example, when an AGAttacker is within a certain range of its scripted target, the AGAttacker can adopt a search profile or a user-defined maneuver. Or, when an aircraft prepares to return to base, the user can select the flight option for how the aircraft will fly. This allows the user to designate a safe route to take the aircraft home.

These are just a few examples of the User Rules capability that allows the user to have extensive control of ruleset actions. The exercise scenarios will cover a variety of applications of how to use different types of triggers and responses not only with airborne assets, but also with ground based units.

Course Highlights

- Presentation of User Rules Capabilities
- Example Exercises Showing Applications of User Rules
- Hands-on Exercises for Air-to-Air, Air-to-Ground, and Surface-to-Air Engagements
- Commanded Sensor Control; Alternate Command; Return to Base Operations
- Post Processing and Playback to Analyze Effects of User Rules actions

- Analysis of Engagement Outcome and Timelines
- Time for Building Other Applications of Interest

Training Materials Included

- Presentation Material
- Scenario Workbook
- Workstation Exercise Data CD

Discussion Topics

2020 EADSIM User Rules Training Course Details	
Day 1	<ul style="list-style-type: none"> • Presentation of User Rules Capabilities • Introduction to the Air-to-Air Scenarios • Air-to-Air Exercises for Sensor Control and Maneuver Control • Introduction to the next set of Fighter Scenarios • Fighter Exercises for Expanded Sensor Control and Triggering of Other platforms
Day 2	<ul style="list-style-type: none"> • Introduction to Emissions Control (EMCON) Air-to-Ground Scenarios • AGAttacker Scenarios for Sensor Control • Continued Exercises for AGAttacker Maneuver and Sensor Control • Triggering of Escort Jamming Platforms
Day 3	<ul style="list-style-type: none"> • Introduction to EMCON Surface-to-Air Applications • Exercises for Commanded Sensor Control, Local Sensor Control, Sensor Control through Engagement Sequence • Continued Surface-to-Air Applications • Alternate Command; Other Applications
Day 4	<ul style="list-style-type: none"> • Opportunity to Build Trainee-Desired Configuration

Other Information

- Course Date: 4-7 August 2020
- Course Cost : \$1,950
- Location: Huntsville, AL
- Contact User Services for Additional Details:
EADSIM.UserServices@Teledyne.com

Enroll for EADSIM User Rules by completing the [EADSIM Training Registration Form](#) and submitting it to EADSIM User Services. Courses are on a first come basis and begin each day at 8am CST.

NOTICE

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