Working with Adjusted Ranges

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The presentation focuses contains tips for locating and securing range areas. In addition, MSF design guidelines and best practices are presented that may expedite the range recognition process. Important considerations such as obstacles, surface problems, surface composition and surrounding traffic are defined and discussed.
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Design guidelines and best practices that may help expedite the range recognition process.
Locating a potential range site

- Google Earth
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Locating a potential range site

• Suggestions
  – From RiderCoaches
  – From Students
  – Anyone!
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Securing a Range

- Common leasing practices
- Negotiating
- Military partnerships
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MSF Range Standards

- **Full Size Range**
  - 120 x 220 standard
  - Minimum run-out: 20 feet
  - Recommended run-out: 40 feet
MSF Range Standards

• Adjusted Ranges
  – Samples available on RETSORG
  – Minimum run-out: 20 feet
  – Recommended run-out: 40 feet
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Paths of travel for all exercises

Optimal runoff
120' x 220' Perimeter - 12 students

Diagram showing paths of travel for all exercises.
Space guidelines for:

• Class size
• Path of Travel
• Ovals and curves
• Exercise Approach and Exit
• Weaves and Obstacle Boxes
Obstacles

- Poles, curbs, planters
Surface Problems

- Drains, Bumps, Cracks, Weeds
Surface Composition

• Sealed or painted surfaces
Surrounding Traffic

- Motor Vehicles
- Pedestrians and animals
Range Layout Tools

- AutoCAD
- Drafting Templates
- RiderCoach Guide
  - Range Layout, pages 10-20
  - Principles for Using Adjusted Ranges, page 24
Range Recognition Process

• Forms
• Pictures
• Diagrams
Creative Range Layouts

• Case Studies

• Exercise Specific Discussion
Designing an adjusted range is a complicated process with many variables that may affect recognition.
Working with Adjusted Ranges

Thank You!

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