Phase 4

Refined Prototype Testing
Muscatatuck Guidebook

FIRST RESPONDER Smart Tracking CHALLENGE

Hosted by:

CRISIS TECHNOLOGIES INNOVATION LAB
PERVASIVE TECHNOLOGY INSTITUTE

Resultant

Funded by:

PUBLIC SAFETY COMMUNICATIONS RESEARCH PSCR

Table of contents

FIRST
RESPONDER
Smart Tracking
CHALLENGE

Phase 4
Introduction

Phase 4 of the First Responder Smart Tracking Challenge is intended to give competitors the opportunity to demonstrate their refined prototypes through live field testing.

This field testing portion of the competition will take place in Muscatatuck Urban Training Center, allowing the competitors to demonstrate their prototypes in real-world scenarios and receive feedback from first responders.

The goal is for participants to create the most effective and efficient tracking system for first responders that is easy to use and can be implemented quickly in an emergency situation. This phase of the competition will allow for the most innovative solutions to be presented and help first responders be better prepared for any situation.

Muscatatuck Urban Training Center
4230 E Administration Dr, Butlerville, IN 47223

FIRST
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Nearby Places to Eat

Lumberjack's Bar & Grill
5530 US-50, Butlerville, IN 47223

$
1.3 Miles

Grateful Grubb
1007 Buckeye St, North Vernon, IN 47265

$
6 Miles

Little Red Kitchen – Breakfast
11 E Walnut St, North Vernon, IN 47265

$
6.6 Miles

Crimson Oak Restaurant & Pub
51 N Madison Ave, North Vernon, IN 47265

$
7.2 Miles

Las chalupas Mexican Restaurant
1300 N State St, North Vernon, IN 47265

$$
7.4 Miles

Lakeside Wood Fire Pizza
4105 IN-3, North Vernon, IN 47265

$$
8.8 Miles

FIRST RESPONDER CHALLENGE
Smart Tracking

Monday Schedule of
Events

Event	Location	Start Time	End Time
Team Sign-in	Warehouse 5343	9:00 AM	3:00 PM
Lunch	Warehouse 5343	12:30 PM	1:30 PM
Ground Truth Testing	Warehouse 5343	12:00 PM	4:30 PM
Welcome & Orientation (Mandatory)	Warehouse 5343	6:00 PM	6:30 PM
Dinner	Warehouse 5343	6:30 PM	8:00 PM
Ground Truth Testing	Warehouse 5343	7:30 PM	8:30 PM

Get the Google Calendar for the Phase 4 Schedule

Make a ground truth testing appointment:

FIRST
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Smart Tracking CHALLENGE

Tuesday Schedule of
Events

Event	Location	Start Time	End Time
Breakfast & Morning Briefing	Warehouse 5343	8:15 AM	9:30 AM
Testing Block 1	Testing Sites A & B	9:15 AM	1:05 PM
Lunch Break	Warehouse 5343	1:05 PM	2:30 PM
Testing Block 2	Testing Sites A & B	1:45 PM	5:35 PM
Challenge Brief (Optional)	Warehouse 5343	6:30 PM	6:45 PM
Dinner	Warehouse 5343	7:00 PM	8:00 PM

Morning Testing Schedule

Team	Testing Site	Check In (HQ)	Start	End
Team 1	Testing Site A	9:30 AM	10:00 AM	10:45 AM
Team 2	Testing Site A	10:05 AM	10:35 AM	11:20 AM
Team 3	Testing Site A	10:40 AM	11:10 AM	11:55 AM
Team 4	Testing Site A	11:15 AM	11:45 AM	12:30 PM
Team 5	Testing Site A	11:50 AM	12:20 PM	1:05 PM
Team 6	Testing Site B	10:05 AM	10:35 AM	11:20 AM
Team 7	Testing Site B	10:40 AM	11:10 AM	11:55 AM
Team 8	Testing Site B	11:15 AM	11:45 AM	12:30 PM
Team 9	Testing Site B	11:50 AM	12:20 PM	1:05 PM
LUNCH	All Sites	–	1:05 PM	2:30 PM

FIRST
RESPONDER
Smart Tracking
CHALLENGE

Tuesday Schedule of
Events

Afternoon Testing Schedule

Team	Testing Site	Check In	Start	End
Team 1	Testing Site B	2:00 PM	2:30 PM	3:15 PM
Team 2	Testing Site B	2:35 PM	3:05 PM	3:50 PM
Team 3	Testing Site B	3:10 PM	3:40 PM	4:25 PM
Team 4	Testing Site B	3:45 PM	4:15 PM	5:00 PM
Team 5	Testing Site B	4:20 PM	4:50 PM	5:35 PM
Team 6	Testing Site A	2:35 PM	3:05 PM	3:50 PM
Team 7	Testing Site A	3:10 PM	3:40 PM	4:25 PM
Team 8	Testing Site A	3:45 PM	4:15 PM	5:00 PM
Team 9	Testing Site A	4:20 PM	4:50 PM	5:35 PM

FIRST
RESPONDER
Smart Tracking CHALLENGE

Wednesday Schedule of
Events

Event	Location	Start Time	End Time
Morning Briefing & Breakfast	Warehouse 5343	8:15 AM	9:30 AM
Testing Block 1	Testing Sites C & D	9:15 AM	1:05 PM
Lunch	Warehouse 5343	1:05 PM	2:30 PM
Testing Block 2	Testing Sites C & D	1:45 PM	5:35 PM
Day 3 Recap & Dinner	Warehouse 5343	6:30 PM	7:30 PM

Morning Testing Schedule

Team	Testing Site	Check In	Start	End
Team 1	Testing Site C	9:30 AM	10:00 AM	10:45 AM
Team 2	Testing Site C	10:05 AM	10:35 AM	11:20 AM
Team 3	Testing Site C	10:40 AM	11:10 AM	11:55 AM
Team 4	Testing Site C	11:15 AM	11:45 AM	12:30 PM
Team 5	Testing Site C	11:50 AM	12:20 PM	1:05 PM
Team 6	Testing Site D	10:05 AM	10:35 AM	11:20 AM
Team 7	Testing Site D	10:40 AM	11:10 AM	11:55 AM
Team 8	Testing Site D	11:15 AM	11:45 AM	12:30 PM
Team 9	Testing Site D	11:50 AM	12:20 PM	1:05 PM
LUNCH	All Sites	–	1:05 PM	2:30 PM

FIRST
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Smart Tracking

Wednesday Schedule of
Events

Afternoon Testing Schedule

Team	Testing Site	Check In	Start	End
Team 1	Testing Site D	2:00 PM	2:30 PM	3:15 PM
Team 2	Testing Site D	2:35 PM	3:05 PM	3:50 PM
Team 3	Testing Site D	3:10 PM	3:40 PM	4:25 PM
Team 4	Testing Site D	3:45 PM	4:15 PM	5:00 PM
Team 5	Testing Site D	4:20 PM	4:50 PM	5:35 PM
Team 6	Testing Site C	2:35 PM	3:05 PM	3:50 PM
Team 7	Testing Site C	3:10 PM	3:40 PM	4:25 PM
Team 8	Testing Site C	3:45 PM	4:15 PM	5:00 PM
Team 9	Testing Site C	4:20 PM	4:50 PM	5:35 PM

FIRST
RESPONDER CHALLENGE
Smart Tracking

Thursday Schedule of
Events

Event	Location	Start Time	End Time
Morning Briefing & Breakfast	Warehouse 5343	8:15 AM	9:00 AM
Overflow Testing	All Testing Sites	10:00 AM	TBD
Team Testing	All Testing Sites	TBD	TBD
Lunch Break	Warehouse 5343	1:05 PM	2:30 PM
Overflow Testing Continued	All Testing Sites	2:30 PM	5:35 PM
Challenge Meeting (Optional)	Warehouse 5343	5:30 PM	6:00 PM
Dinner	Warehouse 5343	6:30 PM	7:30 PM

Friday Schedule of
Events

Event	Location	Start Time	End Time
Morning Briefing & Breakfast	Warehouse 5343	8:15 AM	9:00 AM
Keynote Speakers	Warehouse 5343	9:00 AM	12:00 PM

FIRST RESPONDER CHALLENGE
Smart Tracking

Important
Contacts

Team	Contact
FRST Challenge Admin	Sonny Kirkley ekirkley@indiana.edu
Challenge Technical Support	Jason Pennington jason@indianaiot.com
Ground Truth Team	Max Thielmeyer mthielmeyer@resultant.com
MUTC Support	Haley Molchan hmolchan@indiana.edu
Room and Board Support	Haley Molchan hmolchan@indiana.edu
Marketing and Video Team	Nick Bisesi nbisesi@resultant.com

Join the FRST Challenge Phase 4 Slack Channel:

Travel and Event Information

Directions to MUTC:

Add the Phase 4 event calendar:

Photography and Sharing Policies
- Please avoid taking pictures of anyone on base that is not affiliated with the FRST Challenge.

Legend:
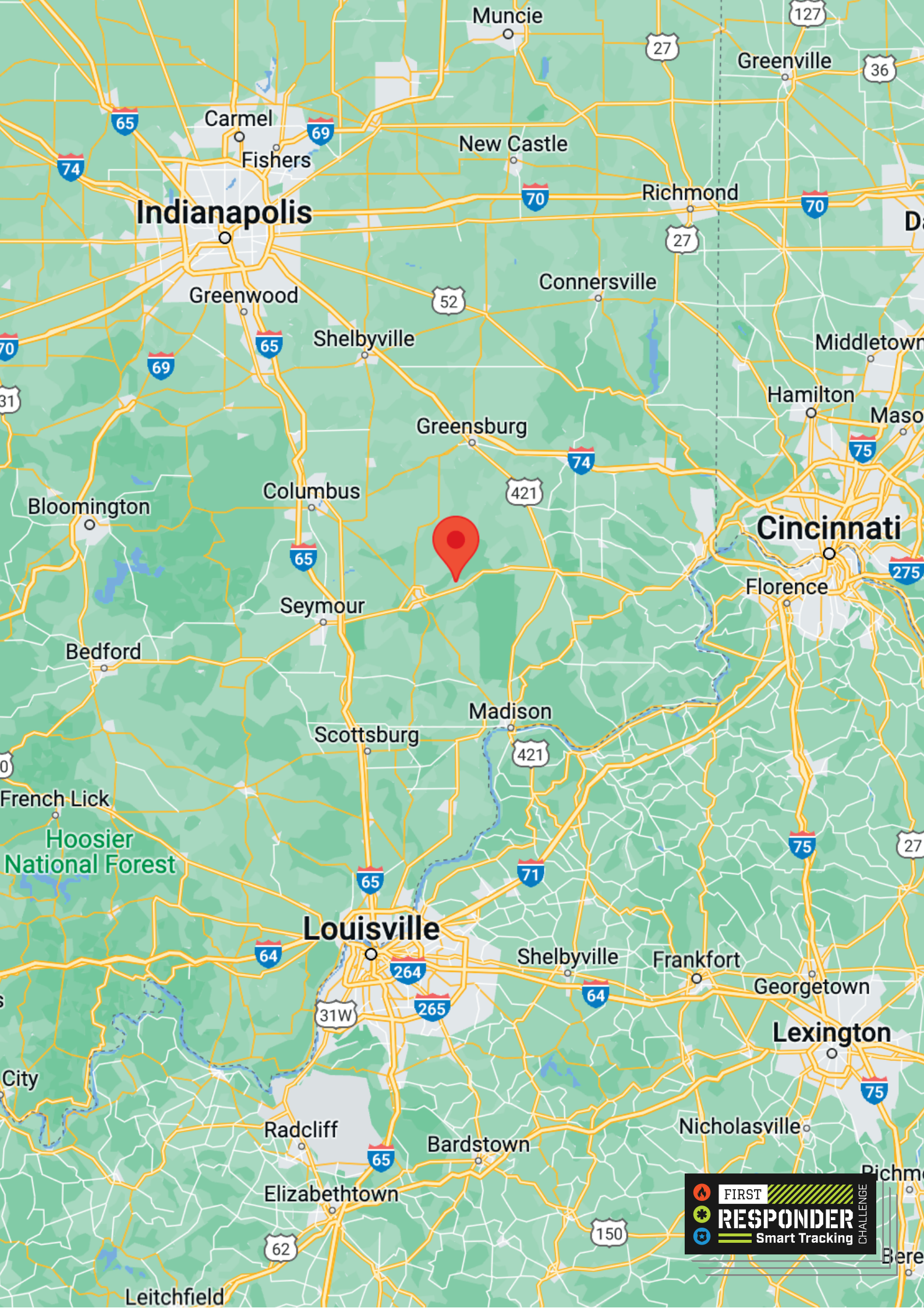- ★ Warehouse 5343 (HQ)
- ★ Housing
- ★ Workrooms

INDIA

JULIET

○ LZ BOLING

North Gate

5418

5322
UTM House
24S
5321
5324
5300
5364

BRAVO

Shantytown

5175
5174 5173
5172 5163
5164 5161
5162

ALPHA

Water Treatment

○ LZ JEFFRIES

CQB Trainer 5341

○ LZ CLEMENS

Fire Trainer 5340

Afghan Farm Village

Water Tower ⊙

CACTF Warehouse 5150

Overpass

5158

Fire Station 5339

Fitness Facility 5054

5316

7TH STREET

Religious Facility & Cemetery

5144

5070

Bank 5055

5377
5378

CONEX Yard

5140

27

5041

Destroyed Parking Garage

Town House

5317

2ND AVENUE

5104

School 5101

5075

5009 5012

Breach/Search Trainers (Bldgs 5010, 5046, 5047)

5306

5171

3RD AVENUE

Chapel

5011

5047 5046

5008

Destroyed Bldg Facade

5367

W 6TH STREET

5016

Clock Tower 5000

Hotel 5049

Nursing Home

5383 5382 5381
5380

4TH AVENUE

Subway 5115

Headquarters

5010

5048 5045 5007

5022

Breach/Search Trainers (Bldgs 5042, 5044)

Range Ops Cntrl & AAR
5389

BOQ 5122

TUNNEL

5TH AVENUE

5005

5043

5044

5042

5721

DELTA

5344 5343

5123

5114

5077

5076

6TH AVENUE

7TH AVENUE

5015

5006

E 6TH STREET

Damaged Electrical Substation

5024

5741 5743

5761 5765

5764 5768

5730

5725

5368

HQ

Wastewater Treatment

5105

5102

5111

5033

Hospital

5040 Marketplace

High Rescue Trainer

LZ BATAAN

5734 5735

5736

5727

○ LZ NIGHTHAWK

Flooded Neighborhood

5130

Embassy 5012

5050 5051

5052 5053

Site Exploitation Complex

ROMEO

Laundry 5266

5209

5208

Administration DRIVE

23

5512

5523

5522 5521

5524 Cmpd 2 Houses

4TH STREET

5520

5518

5536 5537

5535

LZ SWORD

5540 5543

5544

5534

5533

5513

Southeast Gate Ⓢ

1ST STREET

Prison Complex

Soccer Stadium 5200

5545

5532 Cmpd 1 Houses

5531

5530 Media Center

Unit C2 Complex

5210

5211

LZ HERSHEY

5282 5284

5285

PRV

5213

TUNNEL

3RD STREET

5259

GOLF

5241

5258 5257 5256

5242

5216

5215

5218

5260

LZ SNYDER

5217

Ⓜ

South Gate

LZ SABER

5501

CHARLIE

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