



# ADVANCED TECHNICAL REFERENCE 1 (ATR-1)

## DIGITAL TOOLS FOR HAZMAT RISK-BASED RESPONSE

8-hour Instructor-led, Scenario Based, Course

### COURSE TOPICS:

- » Hazmat Decisions – PPE, Detection, Decon, & Tactics Selection
- » Render Safe & Leak Control Procedures
- » Correction Factors & Cross Sensitivities
- » Known Chemicals Research
- » Multi-Database Search
- » Chemical Compatibility
- » Mapping Hazmat Control Zones
- » Known Compressed Gas Cylinder Leaks & Common Flammable Gases
- » Non-Bulk Container Spills
- » Pesticides & Household Chemicals
- » Hazmat Fires Including Water Flow & Foam Calculations

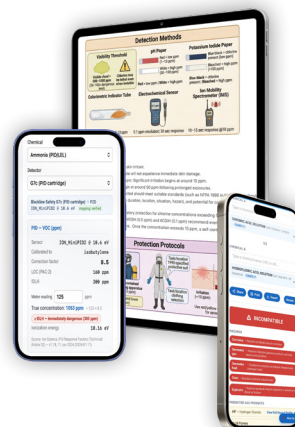
### COURSE DESCRIPTION:

This 8-hour, instructor-led, scenario-based course prepares hazardous materials technicians to use digital references, calculators, and decision-support tools for critical response decisions, including PPE selection, control zones, air monitoring, decontamination, and mitigation tactics.

#### Digital Tools

ATR-1 incorporates the free versions of Chemical Emergency Response E-Service (CERES), Chemical Companion (ERDSS), the Emergency Response Playbook (ER Playbook), and other digital response tools.

**A One-Year ER Playbook Subscription Is Included At No Additional Cost.**



ATR1-flyer-DC2607-08-H3



**For more information or to book your training, please contact:**

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# ADVANCED TECHNICAL REFERENCE 2 (ATR-2)

RESPONDING TO COMPLEX INCIDENTS  
INCLUDING UNKNOWN, MIXTURES, BESS  
FIRES, & BULK TRANSPORTATION RELEASES

8-hour Instructor-led, Scenario Based, Course

## COURSE TOPICS:

- » Unknown Chemicals
- » Highway Tank Truck, Intermodal, & Rail Car Releases
- » BESS Incident Fires (Transport & Fixed Facilities) Including HF Models
- » Compressed Natural Gas (CNG) Vehicle Fires & Explosions
- » Vapor Clouds & Dispersion Models
- » Integrated Weather Stations & Data Feeds
- » Unknown Compressed Gas Cylinders
- » Water Reactive Chemicals
- » BLEVEs & HazMat Explosions (Including Ammonium Nitrate)
- » Clandestine Labs, Chemical Suicides, & CBRNE
- » Equipment Management, Resources Lists, & Inter-Agency Notifications

## COURSE DESCRIPTION:

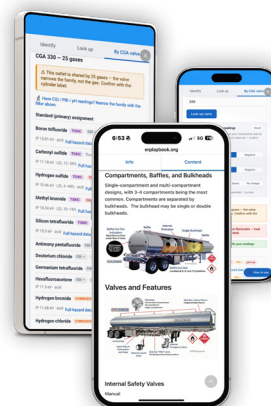
An 8-hour, instructor-led course that builds on ATR-1, preparing hazardous materials technicians to use advanced digital tools for complex HazMat incidents involving unknown chemicals, BESS fires, transportation emergencies, clandestine labs, and CBRN materials.

### Digital Tools

ATR-2 includes the paid version of Chemical Emergency Response E-Service (CERES), the free version of Chemical Companion (ERDSS), the ER Playbook, and other free tools.

**A one-year license for CERES HazMat team is included at no cost. Restriction applies.**

*(Does Not Include Wireless Air Monitoring Integration Or Hazardous Site Import Fee).*



ATR2-flyer-DC2607-08-H3



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# ADVANCED TECHNICAL REFERENCE 3 (ATR-3)

PREPARING FOR & RESPONDING TO MAJOR  
HAZMAT INCIDENTS INCLUDING DERAILMENTS,  
CHEMICAL PLANT FIRES, PIPELINE RELEASES  
8-hour Instructor-led, Scenario Based, Course

## COURSE TOPICS:

- » Bulk Storage Tank Fires
- » Fixed Facility Incidents
- » EPCRA Planning Data
- » Pipeline Releases  
(Gas & Liquid)
- » Train Derailments, Fire,  
& Releases
- » Wide-Area Wireless  
Air Monitoring
- » Creating Response Plans
- » Developing Resource Lists
- » Advanced Plume Dispersion  
Modeling
- » Sensor Driven Models

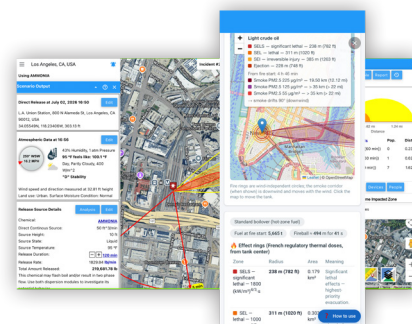
## COURSE DESCRIPTION:

Building on ATR-2, this 8-hour, instructor-led course prepares hazardous materials technicians to manage information and coordinate response during large-scale HazMat incidents using advanced digital tools, wireless air monitoring, dispersion modeling, and data sharing.

### Digital Tools

ATR-3 incorporates the pipeline mapping system, AskRail, the paid version of Chemical Emergency Response E-Service (CERES), the free version of Chemical Companion (ERDSS), the Emergency Response Playbook (ER Playbook), and other digital tools.

A one-year license for CERES air monitoring integration for one manufacture is included at no costs. Restriction applies.



ATR3-flyer-DC2607-08-H3



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