

North American Railroad Industry

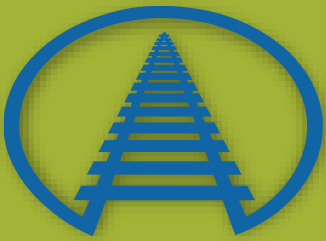
Security Plan, Implementation, and Priorities

September 2019



Overview

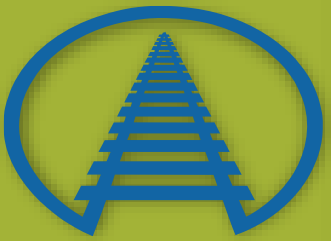
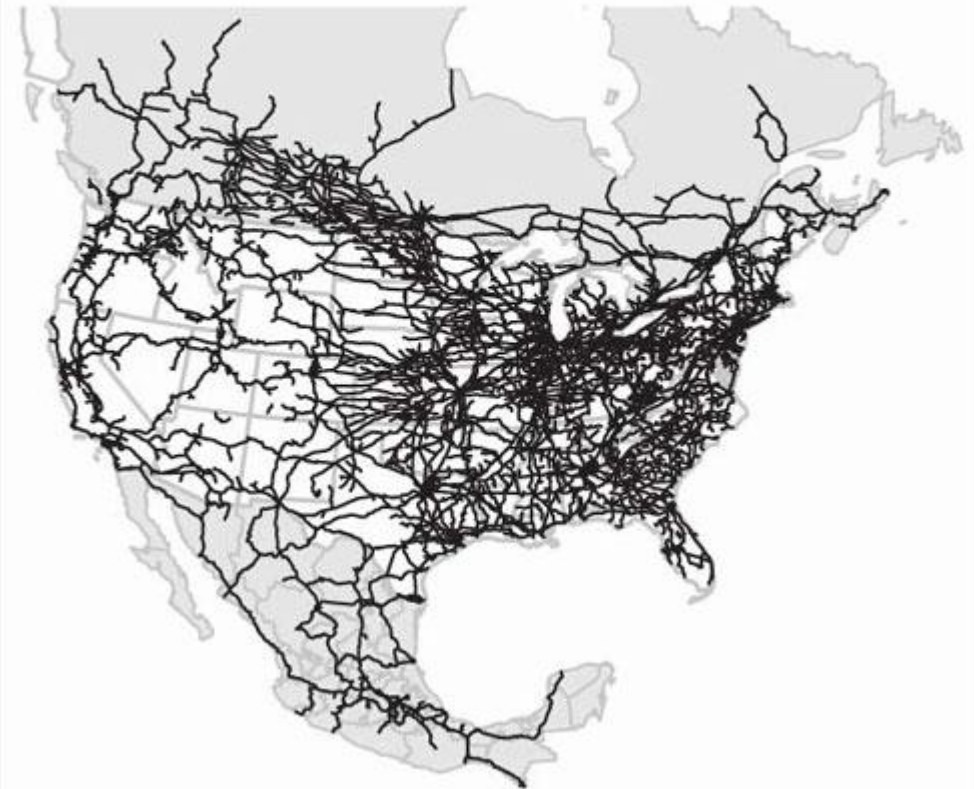
- **North American Railroad Industry Snapshot**
- **Unified Commitment:**
 - From CEOs to frontline employees
 - Unified industry security plan
 - Industry-wide coordination through dedicated committees.
- **Sustained Preparedness:**
 - Assessment of security risk, physical and cyber
 - Training of employees
 - Exercises
 - Application of lessons learned
- **Continuous Improvement:**
 - Focus on innovation – in plans, practices, and capabilities
 - Emphasis on enhancing effectiveness of interaction with government organizations
- **Informed Vigilance:**
 - Attentiveness to potential security concerns
 - Monitoring of reports across the industry
 - Industry-defined priorities for intelligence analysis and security information
 - Opportunities Intelligence



Industry Snapshot

- Diverse Carriers
- Expansive Network
- Efficient and Clean Transport
- Exceptional Safety Record
- Wide Range of Commodities, Materials, and Products
- Essential to the Vitality of the Economies of 3 Nations
- Rail Security – Commitment, Innovation, Effectiveness

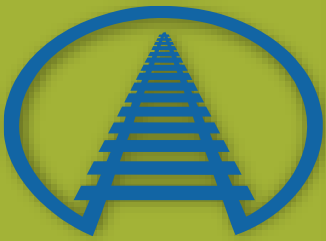
The North American Rail Network



Railroad Security

■ Unified Commitment:

- Unified Industry Security Plan
- Adapted by railroads to their operations and infrastructure
- Four Alert Levels – geared to threat analyses, reporting, incidents
- Common procedures and measures
- Reviewed and approved by TSA
- Cross-border harmonization
- Innovation for continuous improvement



North American Railroad Industry

Security Management Plan



Reviewed and Updated by the
Railroad Security Working Committee
and
Rail Information Security Committee

Ratified by the
Association of American Railroads
Board of Directors
and
American Short Line and
Regional Railroad Association



WARNING: This record contains sensitive security information that is controlled under 49 CFR parts 11 and 115. No part of this record may be disclosed to persons without a "need to know", as identified in 49 CFR parts 11 and 115, except with the authorization of the Administrator of the Transportation Security Administration or the Secretary of Transportation. Unauthorized release may result in civil penalties or other action. For U.S. government agencies, public disclosure is governed by 18 U.S.C. 101 and 49 CFR parts 11 and 115.

RAILROAD RESTRICTED INFORMATION

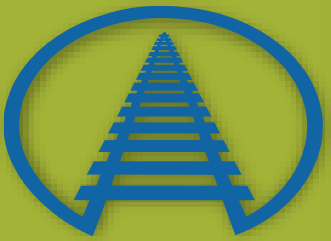


Railroad Security



■ Sustained Preparedness:

- Continuous coordination through dedicated industry committees
 - Rail Security Working Committee (Physical)
 - Rail Information Security Committee (Cyber)
 - Railroad Police Chiefs Group
- Executive oversight and engagement
 - Safety & Operations Management Committee
 - Comprised of Chief Operating Officers and designees
 - AAR Board of Directors
 - CEOs of Class I railroads and Amtrak
- Understanding and support of defined priorities
- Sustained unity of effort assures progress





Railroad Security



■ Continuous Improvement:

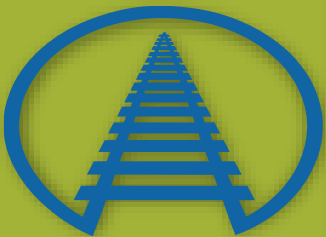
- Training and awareness of employees
 - Security training programs maintained by railroads
 - Supplemented by recurring advisories disseminated via the RAN
 - Emphasis on sustained vigilance and timely, effective reporting
 - Training initiatives with first responders – TTCl and railroads
- Railroad security exercises
 - Annual industry-wide security exercise
 - Realistic scenarios on threats and physical and cyber attacks
 - Demanding conditions
 - Thorough preparation enables annual review and test of specific elements of industry Security Plan, procedures, and capabilities
 - Government agencies invited to participate
 - Railroads conduct exercises periodically with local law enforcement and emergency responders
 - TTCl – Security and Emergency Response Training Center
- Application of lessons learned – exercises and experience



Railroad Security

- **Informed Vigilance:**

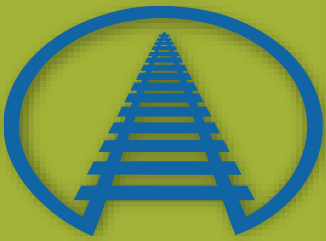
- Annual physical and cyber risk assessments
 - Conducted by the two industry Security Committees
 - To assure sustained effectiveness of industry Security Plan
- Continuous engagement with government on intelligence and security information
 - TSA, DHS, DOT, FBI, US NORTHCOM, US TRANSCOM (SDDC)
 - Transport Canada, Royal Canadian Mounted Police (RCMP)
- Priorities for intelligence analysis:
 - Defined by the two industry Security Committees
 - Concept of Opportunities Intelligence – thoroughly analyze and apply available information to create opportunities for security
 - Physical: Focus on attacks, failed attempts, disrupted plots – to understand tactics, preparations, and observable indicators
 - Cyber: Focus on tactics most commonly used, vulnerabilities most often exploited, protective measures most often lacking



Railroad Security

■ Informed Vigilance:

- Railway Alert Network (RAN) – industry security information center
- Reporting and monitoring of threats and security-related incidents
 - Common Operating Environment (COE)
 - Secure portal used by freight and passenger railroads
 - Immediate notification across industry of reported incidents
 - Evaluated for trends, patterns, indicators of concern
- Security information sharing
 - Frequent awareness advisories disseminated to railroads, freight and passenger, in the United States and Canada
 - Recurring classified threat briefings – physical and cyber security
 - Integration of State fusion center, local law enforcement, and Federal intelligence and security agencies
 - Rail Security Information Portal for Law Enforcement
 - Cross-sector sharing – via private sector and government coordinating councils
 - Cross-border sharing – major success in achieving access for Canadian clearance holders at CN and CP to US government agencies' classified briefings, assessments, and analyses; no other sector has attained such access for homeland security



Railroad Security – Common Operating Environment (COE)

Rail Sector Common Operating Environment

Organization: Association Of American Railroads
Logged in as: Tom Farmer
[View Security Incidents](#) [Sign Out](#)

Home Security Incidents Hazmat Releases Response Resources Administration My Account

Map Layers

Incident Key

- Acquisition of Expertise
- Breach/Attempted Intrusion
- Civil Disturbance
- Illicit Cyber Activity
- Intelligence Information
- Explosive Device - Discovery/Detonation
- Expressed or Implied Threat
- Fire/Explosion
- Malicious Personal Harm
- Materials Acquisition/Storage
- Misrepresentation
- Observation/Surveillance
- Photography
- Recruiting
- Relevant Non-Rail Sector
- Sabotage/Tampering/Vandalism
- Sector Specific Incident
- Suspected Bomb/Weapon
- Terrorist Attack
- Testing/Probing of Security
- Materials Theft/Loss/Diversions
- Weapons Discovery

Response Resources

Map

Incident List

Total Incidents: 92

View	Incident ID	Date	Time	Time Zone	Status	Incident Type	Location	Brief Description	Reporting Org	Track Owner	Other Carriers	Save Mode
	T12	07/14/2015	14:09	Eastern	Active/Under Investigation	Breach/Attempted Intrusion		On July 14, 2015 at 0131 hrs., two subjects entered the Detroit River tunnel near MP 112 of the Windsor Sub on the Canadian Main line. At 0243 hrs., both subjects exited in Detroit and were arrested.	CP	CP	CP	AAR Submit
	T11	07/12/2015	08:42	Eastern	Inactive/Unresolved	Malicious Personal Harm	[Parchester Village, CA]	Crew reported laser pointed at locomotive.	UP	UP		AAR Submit
	T10	06/26/2015	20:12	Central	Resolved	Sabotage/Tampering/Vandalism	[Amarillo, TX]	Suspect selling hand breaks on several railcars on train stopped	BNSF	BNSF	BNSF	AAR Submit
	T08	06/26/2015	15:40	Central	Resolved	Sabotage/Tampering/Vandalism		On June 26, 2015 at approx. 1540 hours, a CP train crew reported that a male subject was observed near railcar 500122511 and the train separated as it moved. Subject was contacted and charged.	CP	BRC	CP	AAR Submit
	T07	06/22/2015	13:37	Central	Inactive/Unresolved	Sabotage/Tampering/Vandalism	[West Allis, WI]	Anarchist symbols on and near tracks.	UP	UP		AAR Submit
	T06	06/21/2015	13:44	Central	Resolved	Malicious Personal Harm	Neenah Sub MP 181.37	A motorist pointed a handgun at a CN signal maintainer at a crossing while making verbal threats. The suspect was later apprehended by CN Police and Fond Du Lac Sheriff's Dept.	CN	CN	CN	AAR Submit

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Railroad Security - COE

Home	Security Incidents	Hazmat Releases	Response Resources	Administration	My Account
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Core	Narrative/Status	Location	Files (1)	Additional Info	Responses	History
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Incident Narrative & Status

Detailed Description: ⓘ

On 11/17/2017 a Citizen reported debris and a vehicle on the tracks at DOT 807852L which is Mile Post 7.468 of the Olympia Industrial Lead in Olympia, WA. The unknown citizen disconnected before the red flare advisement could be issued and did not answer on call back. Operator 84, Olympia Police Department, was notified and advised officers would be en route to State Avenue Northeast and Jefferson Street Northeast.

UPDATE: At 04:49 PM, Operator 56, Olympia Police Department, advised the vehicle was on the tracks was protestation by citizens over railroad transportation of fracking materials.

UPDATE: At 05:02 PM, UP Special Agent, confirmed the protesters were on railroad property with a blockade set up, Olympia Police Department is on scene, however, were not taking action with the protesters at this time.

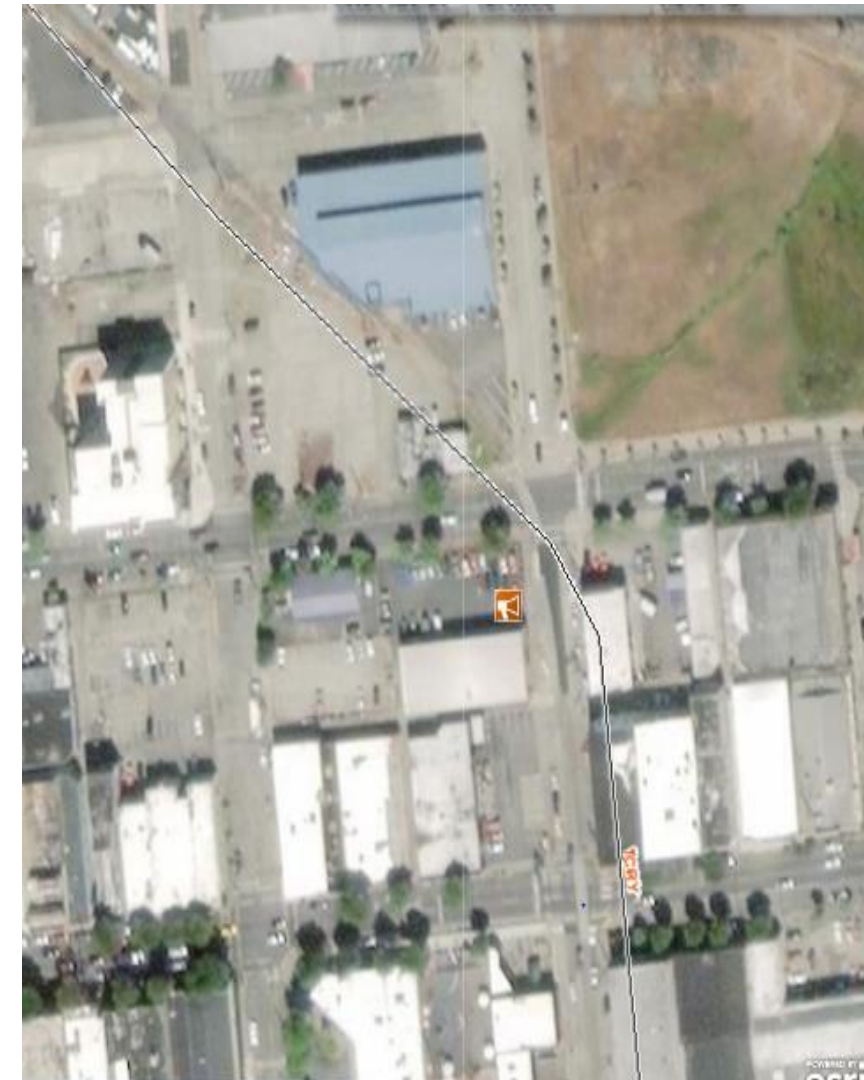
UPDATE: At 09:51 PM, Sergeant Houser, Olympia Police Department, advised the trespassers were still on UPRR property and have set up plywood and tarps blocking the view of the protest.

UPDATE: On 11/18/17 at 01:15 AM, Manager of Division Police, advised he responded with a UP Special Agent, and observed thirty to forty protesters, a structure built around the protesters camp on UPRR property, and cement blocks on the track with dirt covering them as an attempt to obstruct train traffic. Special Agent further advised the protesters were asked to leave UPRR property, however, the protesters stated they had no intention of leaving and were protesting fracking.

Continuing to monitor and assess the situation. Photo attached.

*Status Updates: ⓘ

Add Update



Railroad Security – Law Enforcement Portal

BROWSEPAGE

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Rail Awareness Daily
Analytic Report (RADAR)

Railway Alert Network
(RAN) Security Messages

Rail Security Information
Briefs

Government Threat and
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Suspicious Activity / Bomb
Threats

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Countering Espionage and
Insider Threats

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BNSF

RAILWAY

KANSAS
CITY
SOUTHERN
LINE

Rail Awareness Daily Analytic Report (RADAR)

ASSOCIATION OF
AMERICAN RAILROADS

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Emergency Contact Information

AMTRAK	1-800-331-0008
BNSF	1-800-832-5452
Canadian National	1-800-465-9239
Canadian Pacific	1-800-716-9132
CSX	1-800-232-0144
Kansas City Southern	1-877-527-9464
Norfolk Southern	1-800-453-2530
Union Pacific	1-888-877-7267
AAR	1-866-494-4353

Federal Railroad Administration (FRA) Rail Map

U.S. Department of Transportation
Federal Railroad Administration

ANALYTIC REPORT (RADAR)

Security Message - BNSF Railway

AMTRAK Passengers for Safety and Security (PASS) Video

AMTRAK

Partners for Amtrak
Safety and Security

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Railroad Security – Law Enforcement Portal

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United States: Recent Shunting Incidents Similar to Instructions on Activists' Video



Review of the industry **Common Operating Environment (COE)** highlights **three track shunting incidents** reported by Class I railroads during a **5-week period** that are **significant for their similarity to instructions and depictions presented in a video posted on Facebook by activist groups**. The video advocates use of **motor vehicle booster or jumper cables** to connect rails and cause an erroneous signal indication of the presence of a train. The desired effect: cause a halt in train traffic on the line while the disruption is investigated. AAR has acted to **report the video to Facebook and request its removal for advocacy of criminal activity and danger posed to train crews and public safety**.



February 5, 2017: Crew of a Canadian Pacific train noted signals activated at a road crossing. Upon inspection, they found a set of **"automotive booster cables"** that had been positioned in order to activate the signals. The crew removed the cable. The incident is under investigation.



January 7 – 8, 2017: BNSF Railway reported disruptive track shunting with use of **motor vehicle jumper cable** to connect track and cause an erroneous signal indication in the Bismarck, North Dakota, area. On **Saturday, January 7**, at **approximately 4:00 pm local time**, the Jamestown Subdivision dispatcher received an indication that the signal at mile post (MP) 196, Control Point 1967, was red and would not clear. A signal maintainer responded and checked the signal, but did find any malfunction. On **Sunday, January 8**, at **2:15 am local time**, the same type of incident occurred at the same location. Once again, a signal maintainer responded, checked the signal, and did not identify a malfunction. Further inspection revealed the jumper cables, painted white for enhanced concealment and buried in the snow between the tracks.

December 30, 2016: Union Pacific, through its Signals Department, reported a **chain had been positioned on the tracks between main line one and main line two**, causing an **electrical short in the signal at Mile Post 199.8 of the Fresno Subdivision in Fresno, CA**. A Signal Maintainer removed the chain.

Roll Call Briefs

[+ new document](#) or drag files here

✓	Name	
	20160722 Rail Situational Awareness Advisory Pokemon GO Safety Risks	...
	20160402 Rail Security Roll Call Brief Brussels Attacks Indicators	...
	20160402 Rail Security Roll Call Brief Brussels Attacks Indicators Suspects	...
	20160205 Rail Security Brief - Disruption of Passenger Rail Attack Plot - VIA Rail, Toronto, Canada	...
	20160201 Rail Security Brief - Observable Indicators of Preparations for Suicide Bombings on London Public Transport	...
	20160201 Rail Security Brief - Rail Line Attack Tactics and Indicators	...
	20160201 Rail Security Brief - Analysis of Public Transit Attack Profile	...



Demonstrated Value – “See Something, Say Something” Campaign



During the period of September 17-19, 2016, in New Jersey and New York City, the “See Something, Say Something” campaign proved its worth four times in just over 48 hours.

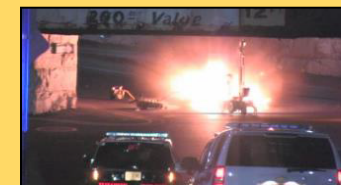
1) On the morning of Saturday, September 17, in Seaside Park, New Jersey, the report of an unattended bag near the starting line for a 5-K charity race delayed the planned start. As a result, no runners were present when an explosive device planted along the race course detonated. The timer had been set to trigger the blast in expectation of a large passing crowd of runners.



2) That evening, in New York City, a pedestrian saw what looked like a pressure cooker with wires protruding. Her timely report prompted an emergency response by police that prevented a second lethal blast in close proximity on the same night. Some 5 blocks away, detonation of a similar device had wounded more than 30 people.



3) On the night of Sunday, September 18, two men picked up a backpack outside of a bar and restaurant in Elizabeth, New Jersey. After carrying the bag a few blocks, its weight prompted them to check its contents. Seeing suspicious items, they left the item under a railroad trestle and called police. Responding authorities prevented this explosive from causing harm.



4) Finally, on Monday morning, September 19, in Linden, New Jersey, which adjoins Elizabeth, the report by a business owner of a man passed out in a doorway to a bar prompted a police response. The first officer on scene roused the man and noted the similarity of his appearance to images of the suspect in the weekend bombings. After an exchange of gunfire and random shots by the suspect, Linden police officers shot, subdued, and arrested Ahmad Khan Rahimi.



Railroad Security

- ❑ **Conclusion: Prevention is Attainable**

- ❑ Unified Commitment
- ❑ Sustained Preparedness
- ❑ Continuous Improvement
- ❑ Informed Vigilance

- ❑ **Questions?**

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