



NARS/National Academy of Railroad Sciences

Course Schedule

January – December 2012

Bridge Inspection

March 26 – 30, 2012

November 26 – 30, 2012

This class covers the fundamentals of timber, concrete and steel bridge inspection. Engineers, Roadmasters, and Contractors, etc. should consider participating in this course. This training will enable a bridge inspector to identify required maintenance items and major structural deficiencies that require speed restrictions or prohibit traffic until remedial action has been taken. The class includes a pre-test on Monday, followed by class material the remainder of Monday and all day Tuesday, with field trips and inspections of various structures Wednesday and Thursday, concluding with a final exam on Friday.

No prerequisite

One week duration

Minimum class size of six

PRICING: *NARS had extended special pricing for this Bridge Inspection course exclusively for ASLRRA members. Space is limited, so sign up now to make sure you get a spot in this can't-miss class for **just \$550 per person!***

Freight Car AAR Billing

January 23 – 27, 2012

March 5 – 9, 2012

March 26 – 30, 2012

April 30 – May 4, 2012

June 18 – 22, 2012

July 16 – 20, 2012

August 6 – 10, 2012

September 17 – 21, 2012

October 22 – 26, 2012

November 12 – 16, 2012

This is the ideal course for carmen or freight car personnel who perform AAR billing. The course is designed to teach the rules, proper method of reporting, and use of hand-held computer billing for freight car repairs.

One week duration

PRICING: Exclusively for ASLRRA members, NARS is **offering a discount of 15% off their standard rate** of \$1,500 per student, per week. For ASLRRA members, this brings the cost of this training to **\$1,275 per student, per week.**

NARS 2012 TRAINING SCHEDULE

Freight Car Air Brakes, Basic

January 16 – 20, 2012

February 13 – 17, 2012

March 12 – 16, 2012

April 9 – 13, 2012

April 30 – May 4, 2012

May 21 – 25, 2012

June 4 – 8, 2012

June 25 – 29, 2012

July 16 – 20, 2012

August 6 – 10, 2012

August 27 – 31, 2012

September 24 – 28, 2012

October 22 – 26, 2012

November 12 – 16, 2012

This is the ideal course for personnel with limited experience on freight car air brake systems. The course is designed to teach the proper methods of performing the Single Car Test. Emphasis is placed on freight car air brake fundamentals.

One week duration

PRICING: Exclusively for ASLRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Freight Car Air Brake, Advanced

March 19 – 23, 2012

May 7 – 11, 2012

July 23 – 27, 2012

October 1 – 5, 2012

October 29 – November 2, 2012

December 17 – 21, 2012

This is the ideal course for more experienced freight car personnel. The course teaches the proper methods of troubleshooting and repairing freight car air brake systems, including electronically controlled pneumatic (ECP) brake systems.

Prerequisite: Freight Car Air Brake, Basics

One-week duration

PRICING: Exclusively for ASLRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRA members, this brings the cost for this training to ***\$1,275 per student, per week.***

NARS 2012 TRAINING SCHEDULE

Freight Car Intermodal

February 27 – March 2, 2012

June 11 – 15, 2012

August 13 – 17, 2012

November 26 – 30, 2012

This course is designed to teach the proper methods of inspecting, testing, and repairing articulated connectors and air brake systems found on intermodal equipment.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Freight Car Open Top

February 27 – March 2, 2012

April 16 – 20, 2012

July 30 – August 3, 2012

August 20 – 24, 2012

October 8 – 12, 2012

December 3 – 7, 2012

This course is ideal for freight car personnel who must frequently measure open top loads. The course teaches the proper methods of inspecting, maintaining, reporting, and measuring open top loads.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Freight Car Open Top Recertification

April 3 – 4, 2012

This course is designed to serve as the qualification mechanism for freight car personnel who are required to measure open top loads for BNSF under contract agreement. The course will serve as a refresher on the proper methods of inspecting, maintaining, reporting, and measuring open top loads.

Two day duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$400 per student, per day. For ASLRRRA members, this brings the cost of this training to ***\$680 for the two-day course.***

NARS 2012 TRAINING SCHEDULE

Freight Car Repair Track Inspector

January 9 – 13, 2012

January 30 – February 3, 2012

March 5 – 9, 2012

March 26 – 30, 2012

April 16 – 20, 2012

May 14 – 18, 2012

June 18 – 22, 2012

July 9 – 13, 2012

July 30 – August 3, 2012

August 20 – 24, 2012

September 17 – 21, 2012

October 8 – 12, 2012

November 5 – 9, 2012

December 3 – 7, 2012

This is the ideal course for carmen or freight car personnel that work in a repair track environment. The course teaches the proper methods of inspecting, repairing, and maintaining Freight Car Equipment.

One week duration

PRICING: Exclusively for ASLRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRA members, this brings the cost for this training to ***\$1,275 per student, per week.***

Freight Car Train Yard Inspection

January 16 – 20, 2012

February 6 – 10, 2012

March 12 – 16, 2012

April 9 – 13, 2012

April 23 – 27, 2012

May 14 – 18, 2012

June 11 – 15, 2012

June 25 – 29, 2012

July 9 – 13, 2012

July 23 – 27, 2012

August 13 – 17, 2012

September 10 – 14, 2012

September 24 – 28, 2012

October 15 – 19, 2012

October 29 – November 2, 2012

November 26 – 30, 2012

December 17 – 21, 2012

This is the ideal course for carmen or personnel that work in a train yard environment. The class is designed to teach the proper methods of inspecting, testing, and repairing freight cars in the train yard.

NARS 2012 TRAINING SCHEDULE

Freight Car Train Yard Inspection (*Continued*)

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Locomotive Air Brake

January 16 – 20, 2012

January 23 – 27, 2012

March 5 – 9, 2012

April 16 – 20, 2012

June 4 – 8, 2012

July 23 – 27, 2012

September 17 – 21, 2012

November 12 – 16, 2012

December 3 – 7, 2012

This is the ideal course for personnel with limited experience on locomotive air brake systems. This course emphasizes the basics of 26L locomotive air brake operation and testing. It also covers railroad and FRA air brake standards.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Locomotive Air Brake CCB, Basic

January 30 – February 3, 2012

February 6 – 10, 2012

March 19 – 23, 2012

March 26 – 30, 2012

April 30 – May 4, 2012

May 7 – May 11, 2012

June 11 – 15, 2012

August 8 – 10, 2012

September 24 – 28, 2012

October 22 – 26, 2012

December 17 – 21, 2012

This is the ideal course for personnel with some experience on locomotive air brake systems. The course will address operation, testing, and troubleshooting of Knorr CCB I air brake systems.

Prerequisite: Locomotive Air Brake, Basic

One-week duration

NARS 2012 TRAINING SCHEDULE

Locomotive Air Brake CCB, Basic (Continued)

PRICING: Exclusively for ASLRRA members, NARS is *offering a discount of 15% off their standard rate* of \$1,500 per student, per week. For ASLRRA members, this brings the cost for this training to ***\$1,275 per student, per week.***

Locomotive Air Brake CCB, Advanced

June 18 – 22, 2012

August 13 – 17, 2012

October 1 – 5, 2012

October 29 – November 2, 2012

This is the ideal course for personnel with some experience on locomotive air brake systems. The course will address operation, testing, and troubleshooting of Knorr CCB 2, CCB 46 air brake systems and 30 CDW and Fast Brake Systems.

Prerequisite: Locomotive Air Brake, CCB1

One-week duration

PRICING: Exclusively for ASLRRA members, NARS is *offering a discount of 15% off their standard rate* of \$1,500 per student, per week. For ASLRRA members, this brings the cost for this training to ***\$1,275 per student, per week.***

Locomotive Low Horsepower Electrical

June 11 – 15, 2012

This is the ideal course for apprentices or journeymen with limited experience of a basic understanding of EMD electrical systems.

One week duration

PRICING: Exclusively for ASLRRA members, NARS is *offering a discount of 15% off their standard rate* of \$1,500 per student, per week. For ASLRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Locomotive FRA Regulations

January 9 – 13, 2012

February 27 – March 2, 2012

April 9 – 13, 2012

June 25 – 29, 2012

July 16 – 20, 2012

September 10 – 14, 2012

October 8 – 12, 2012

November 5 – 9, 2012

November 26 – 30, 2012

NARS 2012 TRAINING SCHEDULE

Locomotive FRA Regulations (*Continued*)

This is the ideal course for a new supervisor or lead person. The course is designed to teach the proper methods of identifying and dealing with FRA compliance issues.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Locomotive Basic EMD Mechanical

January 9 – 13, 2012

February 27 – March 2, 2012

April 9 – 13, 2012

June 11 – 15, 2012

July 16 – 20, 2012

September 24 – 28, 2012

November 5 – 9, 2012

November 26 – 30, 2012

This course is designed to teach the proper methods of operation and maintenance, and the repair requirements for diesel engine systems found on EMD diesel-powered locomotives.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

Locomotive Basic GE Mechanical

January 23 – 27, 2012

March 12 – 16, 2012

April 23 – 27, 2012

May 21 – 25, 2012

June 18 – 22, 2012

July 30 – August 3, 2012

October 1 – 5, 2012

October 15 – 19, 2012

This course is designed to teach the proper methods of operation and maintenance, and the repair requirements for the diesel engine found on GE diesel-powered locomotives.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is ***offering a discount of 15% off their standard rate*** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to ***\$1,275 per student, per week.***

NARS 2012 TRAINING SCHEDULE

Locomotive Basic Electricity and Electronics

June 4 – 8, 2012

This is the ideal course for personnel needing a basic understanding of the SD40-2 electrical systems.

Note: This is a two-part course. Part 1 of the course addresses schematic interpretation and gives a basic understanding of the low voltage electrical systems.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is **offering a discount of 15% off their standard rate** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to **\$1,275 per student, per week.**

Locomotive EMD Basic Electrical

April 23 – 27, 2012

June 18 – 22, 2012

This is the ideal course to give apprentices or journeymen a basic understanding of the theory and operation of electrical and electronic circuitry on modern locomotives. This course is a very effective complement to the EMD Electrical Systems class.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is **offering a discount of 15% off their standard rate** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to **\$1,275 per student, per week.**

Locomotive GE Dash 8/9 Electrical Systems

March 26 – 30, 2012

June 25 – 29, 2012

This course covers the proper methods of inspecting, maintaining, troubleshooting, and repairing GE Dash 8 and Dash 9 locomotive electrical systems.

One week duration

PRICING: Exclusively for ASLRRRA members, NARS is **offering a discount of 15% off their standard rate** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost of this training to **\$1,275 per student, per week.**

NARS 2012 TRAINING SCHEDULE

FRA Track Safety Standards

2012 dates coming soon!

The material covered in this course addresses FRA Track Safety Standards parts 213.1 through 213.241(e)7, and appendices A and B. The course focuses heavily on subpart A (class of track), subpart B (vegetation and drainage), subpart C (track geometry), and subpart D (track structure). Students are equipped with the skills to correctly measure non-complying conditions, to determine proper class of track, and to prescribe the proper remedial action to protect track conditions as required by part 213.

One week duration

Minimum class size of six

PRICING: Exclusively for ASLRRRA members, NARS is **offering a discount of 15% off their standard rate** of \$1,500 per student, per week. For ASLRRRA members, this brings the cost for this training to **\$1,275 per student, per week.**

Designated Supervisor Locomotive Engineer (DSLE)

February 27 – March 2, 2012 (Just added!)

May 14 – 18, 2012

September 24 – 28, 2012

This course is for students seeking training that will apply toward their re-certification. The student will learn simulator skills, freight car air brake systems, and locomotive air brake systems. The course is also geared for DSLE's.

One week duration

Minimum class size of six

Short Line Locomotive Engineer Training (SLET)

June 11 – 22, 2012

August 27 – September 7, 2012

In this course, the student will learn basic train handling, locomotive mechanical, air brake systems, and freight car air systems. Students will conduct locomotive training using a Type II Simulator each day.

Two week duration

Minimum class size of six

Distributive Power (DP)

May 21 – 23, 2012

This course focuses on the fundamentals of equipment identification, linking and unlinking, airbrake tests, Air Brake and Train Handling rules, and troubleshooting. Students will train using a Type II Simulator each day.

Three day duration

Minimum class size of six

NARS 2012 TRAINING SCHEDULE

TRAX/e-Learning

TRAX, our online e-learning system, is appropriate for those currently working within the railroad industry. These courses can be accessed from any location, as long as you have access to a computer and the Internet. The TRAX Learning Management System offers FRA recurrent regulatory training, three year re-training for Hazmat, PBL, Security Awareness, Hazardous Communication, Hearing Conservation, etc. TRAX LMS can augment your onsite blended learning and address regulatory training gaps (for example, changes to Hearing Conservation, PBL, Hazmat, Air Brake, etc.)

'**Railroad Courses**' consist of multiple single lessons (\$50 per person per year) and Value Packs (\$225 per person per year). Your training needs will determine whether you need a comprehensive Value Pack package, which is typically used for new hires, or single lessons to complete recurring regulatory requirements.

'**IT Courses**' consist of multiple single IT lessons (\$50 per person per year). The IT courses work well for both officers and ground personnel for filling in the IT/software gaps in their knowledge base.

NARS FastTrack Signal

January 9 – February 17, 2012

July 16 – August 24, 2012

This six-week program consists of four core courses in our classrooms, laboratories, and field locations. Instruction covers all work skills required for work as a signalman, providing participants with a solid knowledge of electricity and electronics, microprocessors and computers.

Six week duration