



Southern California Regional Transit Training Consortium

# The Communicator

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**Special Points of Interests**

- The SCRTTC will be co-hosting an exhibit with the ATTEi Centers at the APTA Annual Expo in San Diego on October 5th –7th. See us at Booth # 450.
- Dave Stumpo, SCRTTC Program Manager, has been invited to be a presenter at the NTI Transit Trainers Workshop “Taking transit training to new heights.” The workshop is being held in Denver, CO on October 21st.
- The SCRTTC will be exhibiting at the upcoming annual California Transit Association meeting in Monterey, CA on November 4th –7th. The conference and exposition will be held at the Monterey Conference Center. See us at Booth #601.
- The “Leadership Transition to a Management Position” initial course offering was delivered at Montebello Transit on Sept. 17th by Dr. Barbara Sweet from El Camino College.

**Key Developments**

- The following course are available for registration :
  - Electrical V (Beta 1)
  - Electrical V ( Trainers)
  - Electrical IV (Trainers)
 Check the SCRTTC web site for specific dates or contact Nina Babiarz at [babiarz@scrttc.com](mailto:babiarz@scrttc.com)
- The Brakes II & HVAC II courses now being developed will be ready for delivery in early 2009.
- Train the Trainers courses in August were a great help in enlarging the training staff.

**Training Today for a Better Tomorrow**

## Hands on Training delivered by the SCRTTC

The SC-EL-1600-II Electrical II class was recently held at Long Beach City College. The course was also delivered at OCTA in July. Eleven technicians from four transit agencies attended the course at LBCC. These students were immersed in the study and hands on training associated with the intricacies of transit vehicle electrical systems. Cal Macy the instructor for this course said “Today’s transit technicians must be electronics experts to survive working on today’s modern bus systems. For example, the technologies in today’s busses include electronic fare systems, digital sign board systems, data integration of engine and transmission systems, electronic passenger counting systems, AVL systems and communications systems” Students get involved



with hands on training when participating in SCRTTC courses. According to Cal, training involves understanding the basic wiring diagrams and circuits associated with these electronic systems, as well as how to utilize diagnostic tools to trouble shoot system failures. Cal also said: “Every maintenance technician can benefit from training in digital volt ohm meter (DVOM) use and application. We break out the wiring diagrams and get down to the actual circuits wired into a bus. Over 50 different relay circuits are wired in each bus. Understanding these circuits, and learning how to troubleshoot faults in these circuits provides an understanding that enables a technician to be successful on the job. Electrical systems training assures that a skilled workforce will exist for transit.”



**Our Report Card FYTD 2008**

Program Highlights to Date

Hours of Training: **11,176**  
 # of Students Trained: **912**

Fiscal Year 2008/2009  
July 1st to June 30th

Hours of Training  
 Goal: 498 Actual: 1312

# of Students Trained  
 Goal: 30 Actual: 114

Courses Developed  
 Goal: 1 Actual: 1

Student Evaluations  
 Goal: 3.0 Actual: 3.75

**Board of Directors**

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## Electrical IV & V courses are under development

Course development and delivery is a primary objective of the SCRTTC. Based on a study of the needs of transit agencies, and recognizing the gaps that exist in existing training materials, a priority was established by the SCRTTC to develop and deliver needed electrical training courses. These new courses developed by Rio Hondo College working collaboratively with the

Transit Agencies will bring maintenance technicians up to date on current electronic systems installed in transit vehicles and the latest Intelligent Transportation Systems (ITS) standards that apply. The SCRTTC has developed a series of electrical and electronic courses starting from basic electrical maintenance (E1) to advanced electrical maintenance courses called (E2 and E3). The

newly developed Electrical (E4) and (E5) will focus on the complexity of engine and transmission controls, complex wiring harnesses, relay systems and all systems controlled through the instrument panel on a bus. These courses are the most rigorous of all the course work offered by the SCRTTC, and will increase the capabilities of transit technicians.

Courses by Month 2008		Jul	Aug	Sept	Oct	Nov	Dec
<b>TRACK 1 - BASIC</b>							
DVOM/ITS Technologies #SC-DV-2700-I				Rio Hondo (Sept 23rd/24th) Taught by SD Miramar			
Electric I for Transit #SC-EL-1600-I			Torrance <b>Elect I</b> (Aug 13th/14th) Taught by LATTCC OCTA(GG) T-T-T (Aug 4th)				
ISE Hybrid Safety #SC-HY-4000-I							
<b>TRACK 2 - GENERAL</b>							
Brakes I for Transit #SC-BR-1300-I				OMNITRANS (Sept 24th/25th) Taught by LATTCC			
Brakes II for Transit #SC-BR-1300-II				In development Task Order Assigned to LATTCC/LA METRO	In development Task Order Assigned to LATTCC/LA METRO		
Electrical III for Transit #SC-EL-1600-II		OCTA (SA) (July 17th/18th) Taught by SD Miramar College	OCTA(GG) T-T-T (Aug 5th) Taught by Rio Hondo	LB City College (Sept 11th/12th) Taught by LBCC			
Electrical III for Transit #SC-EL-1600-III			OCTA(GG) T-T-T (Aug 6th) Taught by Rio Hondo				
Electrical IV for Transit #SC-EL-1600-IV				Beta 1 (Sept 30th & Oct 1st) LA Metro taught by Rio Hondo	Beta 1 (Sept 30th & Oct 1st) LA Metro taught by Rio Hondo	TTT (Nov 20th) LA Metro taught by Rio Hondo	
Electrical V for Transit #SC-EL-1600-V					Beta 1 (Oct 24th) OCTA Garden Grove Taught by Rio Hondo	Beta 1 (Nov 7th) TTT (Nov 14th) OCTA Garden Grove Taught by Rio Hondo	
Engines ISL -G #SC-EN-1700-I		In development	In development	In development			
<b>TRACK 3 - ADVANCED</b>							
HVAC I #SC-HV-3000-I							
HVAC II #SC-HV-3000-II							
<b>TRACK 4 - VEHICLE/SPECIAL</b>							
Periodic Smoke Inspection - This course is to be REGISTERED direct by the student. Reimbursed by the SCR TTC.		See www.scrttc.com Website Link	See www.scrttc.com Website Link	See www.scrttc.com Website Link	See www.scrttc.com Website Link	See www.scrttc.com Website Link	See www.scrttc.com Website Link
CNG Safety Course				LA METRO Carson Facility T-T-T (Sept 29th) taught by LB City College			
OSHA Basic Course		LBTS (July 9th/10th) Taught by Rio Hondo	OMNI (August 6th/7th) Taught by Rio Hondo	Leadership (Sept 17th) Montebello taught by El Camino College			
Other							

**LEGEND**

- First name is WHERE the course is taught
- Second part is the DATE the course is taught
- Third part is the LOCATION/HOST the course is taught
- Awaiting Action when this color appears