

# Railway Gazette

INTERNATIONAL

## INDEX

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This index covers the 12 issues of *Railway Gazette International* published between January and December 2013 (Volume 169).

Most entries in this index are classified first by country and then under the railway or city concerned. Articles of general interest affecting more than one country are listed under International, which precedes the alphabetical listing of countries; this section also includes categories for Surveys & Overviews, Interviews and Comment & Viewpoint.

Separate sections at the end of the index cover Industry, Innovations, Maps, Letters to the Editor, Publications and People.

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\* indicates a major article (illustrated)

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ICx sensor order	9/19	Delhi Metro Line 8 train control	11/18	Be'er Sheva – Eilat new line plan	4/10, 11/28	KTZ rolling stock orders	5/23, 8/19
Jena welcomes Solaris tram	12/16#	Delhi Metro Lines 5 & 6 signalling	5/22	ISR coach accident repairs	10/23	KTZ locomotive order	3/19
Köln Line 5 tunnel extension	1/15#	Delhi Metro Phase 3 expansion	7/18, 8/18	ISR electrification approved	9/7	KTZ market reform study	10/78
Länder award operating contracts	4/8			ISR electrification approved	9/7	KTZ point machines contract	4/18
Leipzig cross-city tunnel open	12/58*‡	Delhi Metro takes over Airport Express	8/16	ISR outsourcing DMU maintenance	11/22	KTZ training	2/55, 4/66
Leipzig tram control upgrade	2/18	Delhi Metro regional rail plan	8/14	ISR raising capacity in the Ayalon Corridor	10/63*	Olzha loan from EBRD	9/20
LNVG DMU modernisation	8/19	DFC Eastern contract	3/10	ISR seeks electric rolling stock	12/10	Shunting loco order	9/19
LNVG Westfalenbahn EMU order	3/11#	DFC Western contract	7/8	ISR staff training centre	5/102	Turkmen link opened	6/12#
Mainz tram extension	12/13	DLW twin-cab freight loco	12/8#	ISR Tel Aviv – Ashdod direct line	9/7#	UIC/Kazakh training courses	12/63
MAN training academy opened	8/65	Gurgaon metro	5/16, 6/18, 9/15, 12/12	ISR Vossloh locos arrive	8/18#		
More competition needed	8/26	High Speed Rail Corp launched	12/7	Jerusalem tram line	8/15, 10/19	<b>Kenya</b>	
München airport link funded	5/8	Hyderabad metro CBTC contract	1/16, 3/18, 6/19	National Roads Co renamed	1/7	Nairobi suburban expansion	1/27
München C2 metro cars	6/19	ICF 2012 production	9/82	Rail engineering courses	1/63	Standard-gauge corridor loan from China	11/28
München first Avenio tram	12/13#	ICF signs R&D agreements	4/25*	West Bank network planned	9/29		
National Express EMU order	7/19	IR 2013-14 budget	9/7			<b>Korea (North)</b>	
National Express enters German market	3/10	IR Braille signage	8/65	<b>Italy</b>		Khasan – Rajin cross-border upgrade	7/7
National Express MU framework agreements	11/19	IR delegation visits Network Rail	5/102	Bari airport link opened	9/10#	Rajin link to Russia completed	11/8#
NEN operating contract extended	10/11	IR delegation visits Operation Lifesaver	2/30*‡	Brescia metro opened	4/16		
Netinera DMUs funded	6/19	IR developing heavy haul network	10/23	Cagliari tramway	7/19, 12/17	<b>Korea (South)</b>	
Netz Ostbrandenburg operating contracts	3/8	IR diesel fuel savings	5/7	Genova metro extended	2/16	Homam high speed line concrete sleepers	2/18
Niederbarnimer DMU order	10/23	IR free wi-fi pilot	8/7#	GTS Rail wagon order	12/17	Korail KTX-Sancheon 100 fault-free days	1/8
Niedersachsen-Südost concession	8/7	IR Kashmir tunnel link	10/7	Impreglio augments Cociv stake	11/18	Korail restructuring	7/7
NO EMU order	1/19	IR Mainline EMU factory	2/19	Milano driverless Line M5 opens	3/14#	Korail: new president's vision	12/38*
NO operator selected	1/7	IR orders rolling stock from BEML	2/34*	RFI Bologna integrated control	6/66*	R&D for 500 km/h train	3/30
Oberelbe operating contract extended	4/11	IR passenger growth potential	2/40*	RFI evaluates higher speeds	5/33	Samsung C&T expands	12/42*
On Rail wagon order	12/17	IR refocuses on logistics	7/11	RFI Treviglio – Brescia E&M	2/9	Seoul Line 9 contract extended	12/13
Plauen new tram displayed	10/20#	IR Thiruvananthapuram solar powered crossings	9/19	Roma Route 8 extended	7/15	Seoul Sin Bandung extension plans	9/29
Rail market was rigged	9/20	IR traction motor deliveries	9/19	SITFA car-carrying wagons	4/19	Yongin EverLine metro opened	6/16#
Rastatt tunnel doubling	9/8#	IR wheelset order	2/28	South Tyrol link rejuvenated	12/55*‡		
RDC Deutschland EMU modernisation	5/23	IR/BR discuss cross-border lines	2/28	Thello plans Milano – Nice services	12/21		
Rhein-Ruhr-Express funding	9/7	Jaipur metro passenger info system	5/22, 7/19, 11/15	Torino Line 1 extension	3/18		
Saale-Elster viaduct	3/18#			Trenitalia Frecciarossa 1000 unveiled	5/36*, 8/58*		
SNCF Mulhouse – Mülheim reopening	1/12#			Trenitalia rolling stock orders	1/11, 7/19, 8/12#		

<b>Laos</b>		<b>Morocco</b>		<b>Nigeria</b>	
East-West line design starts	2/8	Casablanca tramway opened	1/15#	Abuja – Kaduna	Katowice tramway relocation
		ONCF freight locos on test	3/19#	standard-gauge line	KD EMU orders
		ONCF high speed line ETCS	5/22	8/11, 9/11	KM driving simulator order
<b>Latvia</b>				Kintech Nigeria rolling stock order	KM EMU modernisation
Daugavpils tram order	2/12	<b>Mozambique</b>		NRC DMUs required	KM to provide training classes
Electrification studies funded	3/11	Beacon Hill leases rolling stock	3/19	NRC Lagos – Kano reopened	Kraków Płaszów tram bridge
LDZ Zasulauks – Bolderaja		CDN Nacala line bridges	5/22	2/9	7/15
resignalling	2/18	CFB extends to Luau	10/11	Ogun state light rail	Kraków tram extensions
RVR buys ex-EE EMU cars	8/19	CFM concrete sleeper order	10/22	7/15	10/22
		CFM leases wagons from NRZ	1/19	Private-sector plans	KS EMU modernisation
<b>Lebanon</b>		CFM loan from EIB	11/19		KS leases EMUs
Beirut – Tripoli EIB funds study	9/7	CFM Sena line passenger service	9/7		5/23, 12/17
		CFM Tete – Macuse coal line	1/11	<b>Norway</b>	Kujawsko-Pomorskie passenger
<b>Liberia</b>		Chiuta – Nacala standard gauge	1/11	Bergen Bybanen exercises tram	contracts
Diesel locos delivered	7/19	Flat wagons from China	10/23	options	KW sidings management
Freight loco order	9/19	Nacala Corridor signalling contract	12/8	Bergen Bybanen tramway extension	contracts
		Transnet Eng rolling stock		7/15, 8/18, 9/18	KZN Biezanów turnout gantry
		deliveries	7/19	Høvik station rebuilding	Legnica – Opole ETCS Level 2
				4/18	3/18
				JBV Folloabanen technical	LEO Express to enter Polish
				consultancy	market
				10/22	Łódź LKA EMU order
				JBV Kongsberg – Flesberg	Łódź suburban rail systems
				reopening	management
				9/11	11/18
				JBV Ulvin tunnel	Łódź tramway upgrade
				8/10#	4/18
				JBV Vestfold line upgrade	Lotos Kolej bimode electric loco
				5/22	3/19
				National transport strategy	Lubelskie local services contract
				6/11#	2/9
				NSB EMU order	Lublin airport line opened
				4/19	1/18#
				Oslo capacity study	Lubuskie DMU order
				9/8	2/19, 4/19
				Oslo Kolsåsbanen reconstruction	Małopolskie EMU orders
				8/18	9/19
				Rana Gruber wagon order	Newag EMU orders
				7/19	7/19
					Newag first tram on test
					8/15#
					Olsztyn traffic management
					6/18
					Olsztyn tram works retendered
					9/15
					Otwock – Lublin modernisation
					6/18
					PCC Rokita shunter order
					2/19
					Pesa high speed train
					development
					11/19
					Pesa to step up production
					5/91*
					PKP Cargo certified for Hungary
					6/11
					PKP Cargo container wagon
					order
					11/19
					PKP Cargo diesel loco rebuild
					6/19
					PKP Cargo IPO
					3/30, 11/10, 12/11
					PKP Cargo outsourcing ended
					2/10
					PKP Energetyka substation
					contract
					1/18
					PKP Intercity coach
					modernisation
					1/19, 7/19
					PKP Intercity EIB loan
					6/7
					PKP Intercity EMU order
					10/11
					PKP Intercity leases diesel locos
					10/23
					PKP Intercity loco modernisation
					9/19
					PKP Intercity Pendolinos
					7/11#
					PKP Intercity/KW to sell each
					other's tickets
					12/7
					PKP Intercity sells electric locos
					4/19
					PKP PLK Chelmsa – Grudziadz
					upgrading
					1/18
					PKP PLK Czempin – Poznan
					upgrading
					1/18
					PKP PLK financial crisis
					2/28
					PKP PLK infra renewals
					4/18
					PKP PLK Kalety – Kluczbork
					upgrading
					1/18
					PKP PLK Kluczbork – Ostrzeszów
					upgrade
					11/18
					PKP PLK Kolutski – Czestochowa
					upgrade
					2/18
					PKP PLK Kraków airport line
					upgrade
					6/18
					PKP PLK Legnica – Opole GSM-R
					6/18
					PKP PLK line closure plans
					3/7
					PKP PLK ŁKA suburban project
					2/18
					PKP PLK loan from EIB
					8/7, 10/11
					PKP PLK raises line speed
					5/22
					PKP PLK Sandomierz station
					8/18
					PKP PLK Szymany airport line
					6/18
					PKP PLK Tunel station
					modernisation
					2/18, 5/22
					PKP PLK upgrade contracts
					9/18
					PKP PLK Warszawa Okęcie –
					Radom resignalling
					3/18
					PKP PLK writes off access charges
					4/7
					PKP SA Bydgoszcz Główna station
					4/18, 7/18, 9/11#
					PKP SA GSM-R contract
					12/16
					PKP SA Inowrocław station
					5/22
					PKP SA Kraków Główny building
					works
					7/18



MTR Nordic orders inter-city EMUS	12/9#	Rail spend underpins regional growth	8/48*‡	Etiad/DB freight joint venture	8/8	National Skills Academy rolling stock training	2/55, 10/78
MTR seeks to run main line trains	6/10	SRT Bangkok Red Line	3/16, 4/18, 10/19	<b>United Kingdom</b>		Newcastle T&W Metro upgrading funds	3/15
Paribus Rail loco order	11/19	SRT loco order	8/19	ABC electrification training centres	2/55	NewRail adds Master's course	2/55
Railcare Group sells train operations	10/7	<b>Tunisia</b>		Anglia Mk III coach overhaul	6/19	NIR wi-fi on Dublin trains	1/11
Siemens Vectron granted type approval	6/19	Tunis RFR Lines D & E	3/16	Brown review of franchising	2/27	Nottingham Karlsruhe Friendship bridge	4/16#
SJ expands direct sales network	1/57#	<b>Turkey</b>		c2c gives away chocolates	2/56#	NR Arundel – Horsham resignalling	2/18
SL on-track plant maintenance contract	7/18	ADIF trains TCDD staff	6/71	Carillion electrification training centre	7/75#	NR Borders Railway	1/18
Stockholm investment proposed	8/15	Ankara airport rail link	3/18	Chiltern Wave & Pay	1/57	NR buys road-rail vehicles	5/23
Stockholm Mälärbanan quadrupling	3/18	Bursa tramway opened	11/15#	Crossrail contracts	3/18, 6/18	NR computing framework agreements	7/18
Stockholm metro Red Line upgrading	3/15, 7/15	EIB loan for Ankara – Istanbul	7/7	Crossrail first bore completed	11/14#	NR CP5 funding determined	12/23
Stockholm metro expansion	12/13	Gaziantep Line 3 construction contract	10/22	Crossrail operator sought	4/14	NR Crewe – Shrewsbury signalling	12/17
Stockholm Söderström immersed tunnel	9/11	Istanbul Line M1B opened	7/15	Crossrail tunnel fit-out consultants	5/22	NR electricity contract	2/7
Stockholm suburban trains de-icing contract	11/18	Istanbul Line M6 cars	6/15	Customer Experience Challenge awards	10/32	NR electrification factory train	9/23#
Stockholm Tvärbanen extended	12/13#	Istanbul metro tenders	9/29	Cycle-Rail Toolkit	3/72	NR ERTMS mobile lab	8/11#
Trafikverket Stockholm Citybanen fit-out contract	10/22	Izmir metro extended	2/15	DB Schenker London Gateway	5/23, 10/22#	NR Gatwick Airport signalling	2/18
Trafikverket Hallandsås tunnel completed	10/15#	Konya trams from Škoda	4/19, 12/12#	Derby University work-based learning	5/102	NR Glasgow – Cumbernauld electrification	3/18
Trafikverket infra maintenance contracts	9/18	Konya tramway extension	9/18	DfT franchise programme revised	5/14	NR GN/GE resignalling contract	2/18
<b>Switzerland</b>		Liberalisation preparations	5/76*	DRS orders electro-diesels	10/7#	NR GSM-R	1/18, 4/29*
AAE refinances wagon pool	1/19	Marmaray tunnel	5/72*‡, 9/12#	DRS UKLight locos	6/10#	NR GWMML Crossrail upgrade	2/18
AlpTransit Ceneri base tunnel	9/18	Samsun tram order	2/19	EC catering payment equipment	5/22	NR GWML electrification design	7/18
Basel tram order	7/19	TCDD double-tracking target	11/11	EC IEP order confirmed	8/8	NR GWML signalling works	2/18
BLS perspective: learning lessons from Switzerland	1/36*	TCDD Eskisehir – Konya high speed service	5/78#	Edinburgh tramway ticketing contract	1/57	NR high-output track renewals strategy	5/45*
BLS spare parts management contract	10/24	TCDD Kayas – Kayseri GSM-R	12/16	ERTMS training courses	11/67	NR Hitchin flyover	8/8#
DB Schenker drops BLS as Gotthard partner	5/12	TCDD leases Bosnian Talgos	12/17	Eversholt EMU overhaul contract	1/19	NR joins Amtrak NEC forum	6/18
InterRail Holding buys AzerRail stake	3/11	TCDD leases electric locos	10/23	Eversholt ScotRail EMU modernisation	11/19	NR Kent power supply upgrade	6/18
Is transit freight policy working?	6/56*	TCDD liberalisation approved	6/10	FGW assesses train announcements	4/66	NR Leeds traffic management contract	6/66
MGBahn rolling stock order	11/11#	TCDD orders Velaros	8/8	FGW franchise awarded	11/10	NR Maidenhead electrification	11/18
MOB takes control	4/48*	Tülomsas/GE PowerHaul order	2/10#	FGW/Flybe training agreement	3/71	NR management training contract	1/63
Railways order Stadler EMUs	4/19	Tüpras tank wagon order	8/19	Freight operators alliance with NR	12/7	NR mobile maintenance systems order	12/17
SBB fire and rescue trains	2/19	Wheel production line order	10/26	GBRF orders more EMD locos	10/23	NR Pont Briwet viaduct	4/18
SBB Genève Cornavin underground station	8/26	<b>Turkmenistan</b>		Government restarts franchising programme	3/12	NR receives Indian delegation	8/65
SBB loco modernisation	8/19	Kazakh link opened	6/12#	Greenwich technical school receives LU car	8/65	NR SCADA network contract	10/15
SBB maintenance overhauls	2/10	Passenger rolling stock	3/19, 9/19	Hitachi appoints IEP Notified Body	6/19	NR Scotland RETB replacement	9/18
SBB orders onboard computers	1/19	Afghan/Tajik link started	7/10#	Hitachi confirms European plant	6/11	NR Scunthorpe – Cleethorpes resignalling	2/18
SBB removing signals	7/27	<b>Uganda</b>		Hitachi Rail Europe factory	12/11#	NR signalling contracts	5/22, 11/18
SBB safety reviews report	12/22	Kampala – Malaba standard gauge	4/11	HS2 Phase 2 route selected	3/8	NR Stafford improvements	4/18
SBB Starbucks coffee coach	12/64#	RVR Northern Line reopened	11/12	HS2 services contracts	3/18	NR strategic business plan	2/8
SBB station wi-fi trial	10/7	Standard-gauge corridor loan from China	11/28	HS2 underpinned by Japanese experience	4/56*‡	NR TMS trials	9/29#
SBB traffic management support	10/22	<b>Ukraine</b>		HS2: a vision for regional growth	10/29*	NR TRS4 track renewal system	5/49*
Vertical integration to stay	6/25	Azovmash 25 tonne open wagon	9/19	HS2: convincing case lacking	10/29	NR WCML power upgrade	2/18
Zürich suburban light rail approved	11/16	Citadis trams for Ukraine	7/19	HS2: proceeding with caution	10/30	NR Windermere electrification	9/7
<b>Taiwan</b>		Dnipropetrovsk metro EIB loan	12/13	Porterbrook EMUs to have AC equipment	5/12	Rail Supply Chain Forum	12/11
Kaohsiung light rail	2/16, 7/15	JSC Ivano-Frankivsk loco delivered	11/19	Porterbrook EMUs to have AC equipment	5/12	Railcare in administration	9/20
Kaohsiung Red Line extended	2/15	Kyiv airport rail link	7/28	RIA scheme to unlock innovation	2/55	Rolling stock feast and famine	4/51*
Taipei Tamsui light rail	2/12	Kyiv Line 2 extension	10/19, 12/13	Rolling stock long-term strategy	3/12	RSSB traffic management challenges	12/63
Taipei Xinzhuang line extended	8/15	Kyiv metro trains order	8/19	ScotRail EMU modernisation	11/19	Sheffield tram-train order	7/19
THSRC makes steady progress	8/32*	Loan for modernisation	3/11	Siemens Crossrail apprenticeships	1/63	Siemens pulls out of Crossrail bidding	8/14
THSRC Nangang extension	1/18, 7/18	Lviv DMUs delivered	3/12#	Sleeper timbers from Brazil	1/18	Southern EMU order	8/19
TRA invests as ridership grows	8/30*	Škoda 1520 AC/DC loco prototype	11/19	Southern/LM driver advisory system	4/19	St Albans light rail plan dropped	7/16
<b>Tajikistan</b>		UZ electric loco orders	11/19	Super Express Train braking order	9/19	Super Express Train design	9/19
ROT coaches delivered	2/19#	UZ EMU maintenance contract	9/19	SWT EMU expressions of interest	9/19	SWT uses Waterloo International platform	12/11
Turkmen/Afghan link started	7/10#	UZ loan from EBRD	1/19, 2/19	SWT uses Waterloo International platform	12/11	Technology 30-year vision	1/28
<b>Thailand</b>		UZ/Luhanskteplovoz electric loco agreement	6/19	Technology portal	4/66	TfL Crossrail 2 consultation	6/16
Bangkok BTS Silom Line extended	3/15	<b>United Arab Emirates</b>		TfL Docklands contract extended	2/16	TfL Docklands operators shortlisted	5/19
Bangkok Purple Line contracts	12/14	Dubai airport peoplemover	1/16	TfL Docklands operators shortlisted	5/19	TfL to operate more suburban routes	8/15
Bangkok Sukhumvit Line extension	10/22	Dubai Energy station opened	11/15	TfL Tramlink car order	9/19	TfL/Crossrail graduate trainees	12/63
Bombardier partners with university	2/55	Dubai operating contract extended	12/13	<b>Taiwan</b>			
Infrastructure investment funded	4/8	Dubai tram unveiled	7/14#	Kaohsiung light rail	2/16, 7/15		
		Dubai tramway operating contract	10/19#	Kaohsiung Red Line extended	2/15		
		Etiad Rail Dubai Industrial City	8/11	Taipei Tamsui light rail	2/12		
		Etiad Rail locos arrive	5/23#	Taipei Xinzhuang line extended	8/15		
		Etiad Rail secures funding	4/12	THSRC makes steady progress	8/32*		
		Etiad Rail test running	11/7#	THSRC Nangang extension	1/18, 7/18		
		Etiad Rail wagons arrive	2/11#	TRA invests as ridership grows	8/30*		



Thales UK signalling apprenticeship	5/102	Houston extensions approved	9/15
Thameslink depots for Desiro City fleet	8/63#	Indiana Rail Road's bright future	12/44*‡
Thameslink EMU procurement	7/12#, 8/7	Kansas City streetcar order	11/16
Ticketing: researching passenger attitudes	8/65	Kinkisharyo California factory	9/15
Tram-trains dynamic behaviour	11/67	LA AFC support contract extended	10/22
UK rail ticketing goes into the cloud	1/57	LA Downtown streetcar plan	4/16
UK/Japan share know-how	11/68#	LA Metro approves LRV order	9/15
Virgin Class 390 interior upgrade	12/17	LA West Basin terminal ground-breaking	3/11
Virgin ICWC contract extended	1/8	Las Vegas Railway Express	1/8, 2/19
Virgin Voyager maintenance	1/19	Maumee & Western acquired by Pioneer	2/7
WCML: Running a railway at its limit	3/32*‡	Miami airport peoplomover car order	11/19
Young Railway Professionals	4/66	Michigan Tech University e-learning	8/65

**USA**

AAR presses for tank car review	12/22	Minneapolis Central Corridor goes live	9/15#
All Aboard Florida construction	12/21	Minneapolis Hiawatha extension	6/15
Amtrak Acela replacement plans	1/7	Minneapolis Southwest line contracts	2/12#
Amtrak Cities Sprinter electric loco unveiled	6/40*	MTU in US repowering market	11/61
Amtrak Hudson River tunnel agreement	4/30	NCTD Coaster PTC contract	8/18
Amtrak leases Empire Corridor	1/28	Network Rail joins Amtrak NEC forum	6/18
Amtrak ridership up again	11/27	New Orleans Loyola Avenue extension	3/14#
Amtrak/CA high speed train procurement	2/26#	Northeast Corridor options assessed	5/12
Ann Arbor RR sold to Watco	3/7	NS 2013 investment	3/12#
APTA/UNIFE sign technology agreement	12/7	NS taking PTC from concept to reality	4/40
AR PTC development contract	10/22	NY MTA 'Fix & Fortify' contracts	7/16
Baltimore Red Line funding	10/16	NY MTA leases out air space	5/19
BART metro car testing services	6/19	NY MTA Metro-North Port Jervis resignalling	1/18
BART on-call construction management	1/18	NY MTA New York Gateway tunnels	7/7
BNSF LA terminal approved	6/7	NY MTA PTC contract	12/17
BNSF to invest \$4.1bn	2/7	NY MTA Rockaways service restored	7/16
Boston MBTA diesel loco order	8/19	NY MTA Second Avenue Subway contract	8/18
Boy Scouts learn railway computer technology	10/78	NY MTA signalling contracts	3/19
California HS community benefits policy	1/63	NY MTA storm recovery funding	4/16
California HS contractor management	3/19	NY MTA suburban EMU order	10/8
California HS funding outlook	7/42*	NY Penn station	5/30, 9/48#
California HS pact with veterans	12/63	Oklahoma City tram Phase I funded	11/15
California HS ready to start in the Central Valley	7/38*‡	Operation Lifesaver level crossing awareness	1/63
California HS second civil works tender	11/10	Oregon unveils Talgo trainset	9/12#
California projects funded	7/41*	Pennsauken Transit Center opened	11/15
Caltrain upgrade for high speed	4/11	Philadelphia funding crisis	10/34#
Carlyle to sell G&W stake	12/11	Philadelphia Norristown line extension	8/26
Charlotte Blue line work starts	9/14	Phoenix airport peoplomover	5/20#
Charlotte streetcar contract	1/18	Phoenix Northwest extension	2/14#
Chicago trains to have 4G	11/15	Phoenix stops as safe places	10/19
Cincinnati Streetcar	8/16	Phoenix Tempe streetcar development	5/19
Class 1s struggle to meet PTC deadline	11/62	PTC making slow progress	4/38*
Colton Crossing grade separation	10/12#	Salt Lake City Blue Line extended	10/19#
CSX 2013 capital plan	3/10	SCRRA orders EMD locos	7/8#
CSX energy-efficiency studies	10/78	Seattle Ballard line studies	4/30
CSX National Gateway opened	10/15	Seattle South 200th link	6/15
CSX/GE to test LNG loco fuel	12/11	SEPTA Route 101 centenary	5/104#
Dallas battery tram equipment	9/19	Short lines: taking the pulse	9/39*
Dallas extensions opened	1/15	St Paul streetcar studies	4/30
Dallas 'off-wire' streetcars	4/14#	States seek standard loco fleet	9/12
Denver North Metro contract	12/17	Statoil tank maintenance contract	1/19
Denver West Rail opened	6/15	SunRail operating contract	5/16
Detroit M-1 light rail	3/15	Tier 4 demonstrator loco coming	11/60#
Detroit streetcar	9/18, 11/18	Trespass detection field trial	11/67
Fast freight can be very profitable	9/51*	Tri-Rail Veolia option exercised	10/7
Five steps to a state-wide network	7/40*	Washington property development	12/13
FRA hazardous materials order	9/28	Washington Purple Line to be PPP	9/16
FRA updates crashworthiness standards	7/28	Washington Silver Line contract	6/14
G&W acquisition of RailAmerica approved	2/7	Whirlpool Bridge agreement	1/11
G&W to serve natural gas hub	1/11	WMATA escalator replacement	4/18
Greenbrier wagon orders	2/19, 5/23	WMATA orders more Series 7000 cars	6/19
		WMATA Wheel press order	6/19

**Uruguay**

AFE buys DMUs from Sweden	2/19
AFE Montevideo – Las Piedras service	11/27#
AFE upgrade funded by Mercosur	8/7
CFU track renewal equipment	12/17
New train operating company planned	3/30
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Misra, Rakesh	3/70#	Pervez, Anjum	9/80	Ross, Cathryn	9/80	Truss, Warren	10/76
Mital, A K	12/62	Peters, Andrew	3/70	Rudhart, Manfred	4/64	Tulibacki, Wojciech	7/74
Mohsen Pour Seid		Peters, Dipuo Elizabeth	9/80#	Rufique, Khawaja Saad	7/74#		
Aghaie, Dr	10/76, 12/62#	Peters, Grego	4/64	Ruiz Esparza, Geraldo	1/62#	<b>V</b>	
Mongin, Pierre	11/66	Pey, Perrette	5/100	Ruta, Leszek	8/64	Vaagaasar Nikolaisen, Harald	9/80
Montes Ponce de Leon, Fernando	9/80	Phiri, Ronald	6/70	Rutnam, Philip	2/54#	van Massenhove, Frank	10/76
Mörch Koch, Susanne	4/64#	Picard, Alain	8/64#	Rymzhanova, Janar	2/54	Vehviläinen, Antti	2/54#
Moreland, Jeffrey	4/64	Picard, Rachel	7/74	Rynasieswicz, Zbigniew	12/62	Vena, Jim	3/70#, 10/76
Moretti, Mauro	11/66	Piccardo, Juan Pablo	1/62			Venables, Tony	9/80
Moriarty, Clare	2/54	Pierre, Céline	1/62	<b>S</b>		Venedero, Eduardo	2/54
Moylan, Daniel	9/80	Piggott, Julie	12/62	Sainz, Enrique	1/62	Verdeguer, Enrique	2/54
Mrowczynski, Andrzej	3/70	Pimenov, Ivan	10/76	Sarría, Rafael	3/70	Verkhoviykh, Gennady	10/76
Müller, Rudolf	3/70	Pitron, Emmanuel	1/62	Schniering, Bernd	11/66	Voisin-Pelliet, Anne-Lise	2/54
Murphy, Steve	1/62, 8/70	Plambeck, Ute	6/70	Schultze, Ralf-Charley	12/62		
		Plotnikovu, Oksana	8/64#	Schumacher, Wilfried	4/64	<b>W</b>	
		Plummer, Paul	1/62	Sciarone, Giuseppe	11/66	Waclawik, Zbyszek	8/64
<b>N</b>		Polini, Marc	11/66#	Šebena, Miroslav	9/80	Walder, Jay	10/76
Nanty, Jérôme	1/62	Porter, Len	10/76	Seefeld, Guillermo	1/62	Walton, Colin	1/62
Naples, Nancy	4/64	Powell, Gareth	4/64	Sennhenn, Frank	4/64	Warsza, Tomasz	1/62
Navarri, André	4/64	Pozo, Miguel	4/64	Sharma, Sharat	2/54	Wasilewski, Andrzej	4/64
Nebot Beltrán, Fernando	9/80	Prager, Mike	5/100	Shuster, Bill	1/62#	Waterman, Pete	9/80
Necas, Ctirad	9/80	Prendergast, Thomas	2/54, 7/74#	Siedl, Dr Daniel	6/70	Watson, Terence	6/70#
Nejzchib, Mojmir	8/64	Prentice, Jim	7/74	Silbersky, Thomas	4/64	Weatherall, Chris	6/70
Neupaver, Albert	6/70	Priebe, Thorsten	11/66	Simonelli, Lorenzo	10/76	Weber, Ulrich	10/76
Niggi, Dr Johann	12/62#	Priestman, Paul	10/76	Simonovic, Dragoljub	2/54#	Weiford, Nancy	3/70
Nimmo, Alison	9/80	Przesluga, Jacek	10/76	Skorik, Konstantin	10/76	Whalen, Ed	6/70, 11/66
Niño, Manuel	4/64#	Purdy, Philip	3/70	Šlegr, Petr	8/64	Whittingham, Phil	11/66
Novales Ordax, Margarita	9/80	Purwin, Adam	12/62	Smith, Graham	4/64#	Wilkinson, Peter	3/70
Nowak, Sławomir	12/62			Smith, Howard	3/70	Wishnitzer, Alex	9/80#
Nowakowski, Robert	5/100, 6/70	<b>Q</b>		Smith, James	8/64	Wolf, Oliver	11/66
		Quernhelm, Thomas	11/66	Smith, Jonathan	2/54	Woodward, Prof Peter	10/76
		Quinn, Jim	12/62	Solvik-Olsen, Ketil	12/62#	Woolhouse, David	6/70
<b>O</b>		Quipaxe, Daniel	11/66	Sophocleous, Dimitris	2/54#, 5/100	Wragg, Jonathan	11/66#
Oakervee, Douglas	10/76, 11/66	Qureshi, Ghulam Mohammad	6/70	Spinetta, Jean-Cyril	7/74	Wrobel, Krzysztof	10/76
O'Brien Primmer, Marnie	3/70#	Qureshi, Junaid	6/70, 9/80	Stadtler, D J	3/70		
O'Grady, Frances	9/80			Stanjura, Zbynek	2/54	<b>Y</b>	
O'Halloran, Brad	9/80	<b>R</b>		Statham, David	6/70	Yakunin, Vladimir	2/54
O'Higgins, Michael	1/62#	Rabet, Sassan	5/100#	Stefanski, Pawel	5/100, 6/70, 7/74	Yip Lai-ching	7/74
Oleart, Román	12/62	Radulski, Jakub	2/54	Stewart, Marta	11/66#	Young, Federico Alberto	1/62
O'Leary, Bill	12/62#	Ramette, Yves	5/100	Stocker, Erwin	6/70		
Oliás Ruiz, Emilio	9/80	Rapoport, Jacques	1/62, 4/64	Stokes, Russell	10/76#		
Omerzel, Samo	5/100	Rathbone, John	11/66	Stribjjs, Klaas	1/62		
O'Neill, Rory	4/64	Ravid, Yaron	11/66	Strnad, Lukáš	8/64		
Ortega, Joel	2/54#	Reidy, Paul	12/62#	Švagr, Pavel	9/80, 10/76		
Otava, Karel	10/76	Reinhold, Dr Tom	2/54	Szczypinski, Zbigniew	5/100	<b>Z</b>	
		Reininger, Michael	4/64			Žák, Zdenek	8/64, 9/80
<b>P</b>		Reinsbach, Olivier	6/70	<b>T</b>		Zalesny, Marek	3/70, 4/64
Pande, Devi Prasad	9/80	Rennert, Klaus Dieter	9/80#	Taifalos, Theo	5/100	Žaluda, Petr	9/80
Paonessa, Dr Francis	7/74#	Resch, Markus	5/100	Tanner, James	2/54	Zalwowski, Jerzy	7/74
Papazov, Danail	7/74	Robinson, Donald	4/64	Tanner, Lindsay	5/100#	Zampelas, Michael	5/100
Partelow, Jack	9/80	Robinson, Tim	7/74, 8/64	Taylor, Tom	9/80	Želený, Dalibor	9/80#
Pauline, Greg	4/64#	Rodet, Florence	12/62	Titterton, Paul	8/64	Zeman, Milos	8/64
Pedley, Ross	5/100	Rodríguez Cortezo, Jesús	9/80	Tonkin, David	1/62		
Pepy, Guillaume	4/64, 11/66						

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