



UIC SUSTAINABILITY  
**LOWNOISEPAD Annex B**  
**Rolling stocks - Visual Reference Guide**

October 2023



INTERNATIONAL UNION  
OF RAILWAYS

**Citation style**

International Union of Railways (UIC), Sustainability, *LOWNOISEPAD Annex B: Rolling stocks - Visual Reference Guide*, 2023.

ISBN 978-2-7461-3313-6

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This annex, provided in a separate document, aims to show images of each type of rolling stock for which data was collected during the project, including the specific nomenclature used within each company and the nomenclature used in the LOWNOISEPAD software tool. Furthermore, it aims to facilitate the comparability of the data obtained from different types of rolling stock, which might be considered to have similar characteristics, despite the nomenclature within each member company being different. For instance, the INFRABEL Desiro, ÖBB Cityjet and DB ET462 appear to be similar (disc brake, low noise emission). This annex should be used alongside the information gathered as part of the project carried out by UIC and the 12 project participants. It is not recommended to carry out analysis without first having reviewed the LOWNOISEPAD final report and the Annex A: Graphic Reference Guide, and also without consulting and receiving authorisation from the project participants and UIC.



# CONTENTS

1. SBB ROLLING STOCKS.....	4
2. DB ROLLING STOCKS .....	5
3. ÖBB ROLLING STOCKS .....	6
4. INFRABEL ROLLING STOCKS.....	7
5. IP ROLLING STOCKS .....	8
6. TRAFIKVERKET ROLLING STOCKS .....	9
7. SZCZ ROLLING STOCKS.....	10
8. RFI ROLLING STOCKS.....	11

# LIST OF FIGURES

Figure 1: EC or IC Rabe 501 .....	4
Figure 4: IR/ Re460 (Locomotive) /Dosto_IC 2000 .....	4
Figure 2: GZ: Freight Train with Re620 Locomotive.....	4
Figure 5: IR/Re460 (Locomotive)/EW4_Hall .....	4
Figure 3: IR Rabe 526, Traverso .....	4
Figure 6: RE and S/RABe521 (Flirt) .....	4
Figure 7: BR 429 © DB Systemtechnik, 2022 .....	5
Figure 8: BR 462 © Manfred Kopka - Eigenes Werk, CC BY-SA 4.0 (link) .....	5
Figure 9: ÖBB-CityJet - DesiroML('CJ'); © ÖBB, Harald Eisenberger .....	6
Figure 12: ÖBB-series 4024 ('4024'); © ÖBB, Harald Eisenberger.....	6
Figure 10: ÖBB-freight train ("Gz"); © ÖBB, Günter Dinhobl.....	6
Figure 11: ÖBB-express train ("Rz-mx");© ÖBB, Harald Eisenberger.....	6
Figure 13: MS75 © Denis Verheyden.....	7
Figure 16: SNCB Freight © InterCityImpress .....	7
Figure 14: Break MS80 © Michiel Dumon .....	7
Figure 17: M6 +T18 © Marc Ryckaert .....	7
Figure 15: Desiro © Adobe Stock.....	7

# 1. SBB ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 1: EC or IC Rabe 501	Passenger train	EC/RABe501_8/24/	<b>EC/RABe501_8/24/</b>
Figure 2: GZ: Freight Train with Re620 Locomotive	Freight train	GZ/Re620/GW4Ax_2DG	<b>GZ/Re620/GW4Ax_2DG</b>
Figure 1: EC or IC Rabe 501	Passenger train	IC/RABe501_8/24/	<b>IC/RABe501_8/24/</b>
Figure 3: IR Rabe 526, Traverso	Passenger train	IR/RABe526_8/20/	<b>IR/RABe526_8/20/</b>
Figure 4: IR/ Re460 (Locomotive) /Dosto_IC 2000	Passenger train	IR/Re460/DOSTO_IC2000_HALL	<b>IR/Re460/DOSTO_IC2000_HALL</b>
Figure 5: IR/Re460 (Locomotive)/EW4_Hall	Passenger train	IR/Re460/EW4_HALL	<b>IR/Re460/EW4_HALL</b>
Figure 2: GZ: Freight Train with Re620 Locomotive	Freight train	LE/Re620/	<b>LE/Re620/</b>
Figure 6: RE and S/RABe521 (Flirt)	Passenger train	RE/RABe521_4/10/	<b>RE/RABe521_4/10/</b>
Figure 6: RE and S/RABe521 (Flirt)	Passenger train	S/RABe521_4/10/	<b>S/RABe521_4/10/</b>

Credits for Figure 1 to 6: © SBB



Figure 1: EC or IC Rabe 501



Figure 2: GZ: Freight Train with Re620 Locomotive



Figure 3: IR Rabe 526, Traverso



Figure 4: IR/ Re460 (Locomotive) /Dosto\_IC 2000



Figure 5: IR/Re460 (Locomotive)/EW4\_Hall



Figure 6: RE and S/RABe521 (Flirt)

## 2. DB ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 7: BR 429 © DB Systemtechnik, 2022	Passenger train	ET429_3T/FLIRT3T	<b>ET429_3T/FLIRT3T</b>
Figure 7: BR 429 © DB Systemtechnik, 2022	Passenger train	ET429_4T/FLIRT4T	<b>ET429_4T/FLIRT4T</b>
Figure 8: BR 462 © Manfred Kopka - Eigenes Werk, CC BY-SA 4.0	Passenger train	ET462_4T	<b>ET462_4T</b>
Figure 8: BR 462 © Manfred Kopka - Eigenes Werk, CC BY-SA 4.0	Passenger train	ET462_4T+ET462_4T	<b>ET462_4T+ET462_4T</b>
N/A	Freight train	GZ	<b>GZ</b>
N/A	Passenger train - High Speed	IC	<b>IC</b>

Credits for Figure 7: © DB, Credits for Figure 8: © Manfred Kopka - Eigenes Werk, CC BY-SA 4.0



Figure 7: BR 429 © DB Systemtechnik, 2022



Figure 8: BR 462 © Manfred Kopka - Eigenes Werk, CC BY-SA 4.0 (link)

### 3. ÖBB ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 9: ÖBB-CityJet - DesiroML('CJ'); © ÖBB, Harald Eisenberger	Passenger train	CJ	<b>CJ</b>
Figure 10: ÖBB-freight train ("Gz"); © ÖBB, Günter Dinhobl	Freight train	GZ	<b>GZ</b>
Figure 11: ÖBB-express train ("Rz-mx");© ÖBB, Harald Eisenberger	Passenger train	RZ-mx	<b>RZ-mx</b>
Figure 12: ÖBB-series 4024 ('4024'); © ÖBB, Harald Eisenberger	Passenger train	S4024	<b>S4024</b>

Credits for Figure 9, 11 and 12: © ÖBB, Harald Eisenberger, Credits for Figure 10: © ÖBB, Günter Dinhobl



Figure 9: ÖBB-CityJet - DesiroML('CJ'); © ÖBB, Harald Eisenberger



Figure 10: ÖBB-freight train ("Gz"); © ÖBB, Günter Dinhobl



Figure 11: ÖBB-express train ("Rz-mx");© ÖBB, Harald Eisenberger



Figure 12: ÖBB-series 4024 ('4024'); ©ÖBB, Harald Eisenberger



## 4. INFRABEL ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 13: MS75 MS75 © Denis Verheyden and Figure 14: Break MS80 © Michiel Dumon	Passenger train	IX3 BREAK	<b>1X3 BREAK</b>
Figure 15: Desiro © Adobe Stock	Passenger train	IX3 DESIRO	<b>1X3 DESIRO</b>
Figure 15: Desiro © Adobe Stock	Passenger train	DESIRO0 1X3 DESIRO	<b>1X3 DESIRO 1X3 DESIRO</b>
Figure 15: Desiro © Adobe Stock	Passenger train	DESIRO0 1X3 DESIRO1 1X3 DESIRO	<b>1X3 DESIRO 1X3 DESIRO 1X3 DESIRO</b>
Figure 16: SNCB Freight © InterCityImpress	Freight train	FREIGHT	<b>FREIGHT</b>
Figure 17 : M6 +T18 © Marc Ryckaert	Passenger train	M6 T18(8)	<b>M6 T18(8)</b>

Credits for Figure 13: © Denis Verheyden, Credits for Figure 14: © Michiel Dumon, Credits for Figure 15: © Adobe Stock, Credits for Figure 16 © InterCityImpress, Credits for Figure 17: © Marc Ryckaert



Figure 13: MS75 © Denis Verheyden



Figure 14: Break MS80 © Michiel Dumon



Figure 15: Desiro © Adobe Stock



Figure 16: SNCB Freight © InterCityImpress



Figure 17: M6 +T18 © Marc Ryckaert

# 5. IP ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 18: LOC 4700 rolling stock	Freight train	Freight LOC 4700	<b>Freight LOC 4700</b>
Figure 19: High speed Alfa Pendular CPA 4000	Passenger train – High speed	High speed CPA 4000	<b>High Speed CPA 4000</b>
Figure 20: Intercity LOC 5600	Passenger train	Intercity LOC 5600	<b>Intercity LOC 5600</b>
Figure 21: Regional UTE 2240	Passenger train	Regional UTE 2240	<b>Regional UTE 2240</b>
Figure 22: Urban UQE 2300	Passenger train	Urban UQE 2300	<b>Urban UQE 2300</b>
Figure 23: Urban UQE 3500	Passenger train	Urban UQE 3500	<b>Urban UQE 3500</b>
N/A	Passenger train	Urban UQE2300 new	<b>Urban UQE2300 new</b>

Credits for Figure 18 to 22: © Comboios de Portugal, CP



Figure 18: LOC 4700 rolling stock



Figure 19: High speed Alfa Pendular CPA 4000



Figure 20: Intercity LOC 5600



Figure 21: Regional UTE 2240



Figure 22: Urban UQE 2300



Figure 23: Urban UQE 3500

## 6. TRAFIKVERKET ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
N/A	Freight train	Freight train, iron ore train	<b>Freight train, iron ore train</b>
Figure 24: Freight train, steel pendulum	Freight train	Freight train, steel pendulum	<b>Freight train, steel pendulum</b>
N/A	Freight train	Freight train1	<b>Freight train1</b>
Figure 25: Passenger train, EMU Regina	Passenger train	Passenger train, EMU Regina	<b>Passenger train, EMU Regina</b>
N/A	Passenger train	Passenger train, RC1 locomotive	<b>Passenger train, RC1 locomotive</b>
N/A	Passenger train	Passenger train, RC2 locomotive	<b>Passenger train, RC2 locomotive</b>

Credits for Figures 23 and 24: © Trafikverket



Figure 24: Freight train, steel pendulum



Figure 25: Passenger train, EMU Regina

# 7. SZCZ ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
Figure 26: Freight train	Freight train	freight	<b>freight</b>
Figure 27: Intercity passenger train EMU (Pendolino)	Passenger train	intercity passenger EMU	<b>intercity passenger EMU</b>
Figure 28: Intercity passenger train loco+coaches	Passenger train	intercity passenger loco+coaches	<b>intercity passenger loco+coaches</b>
Figure 29: Regional passenger train loco+coaches	Passenger train	regional passenger loco+coaches	<b>regional passenger loco+coaches</b>

Credits from Figures 25 to 28: © ŽelPage - Czech railway webzine [www.zelpage.cz](http://www.zelpage.cz)



Figure 26: Freight train



Figure 27: Intercity passenger train EMU (Pendolino)



Figure 28: Intercity passenger train loco+coaches



Figure 29: Regional passenger train loco+coaches



Figure 30: Intercity passenger train EMU (Stadler)



Figure 31: Intercity passenger train EMU (Škoda)

## 8. RFI ROLLING STOCKS

Images for each rolling stock	Train type	Rolling Stock Internal Naming	Visual from the software tool – inline with Rolling Stock Internal Naming
N/A	Diagnostic train	DGN E652+E652	<b>DGN E652+E652</b>
	Freight train	FRG E 189	<b>FRG E189</b>
	Freight train	FRG E191	<b>FRG E191</b>
	Freight train	FRG E494	<b>FRG E494</b>
	Freight train	FRG E652	<b>FRG E652</b>
	Passenger train	PAX Ale642	<b>PAX Ale642</b>
	Passenger train	PAX Ale642 (1M + 1R)	<b>PAX Ale642 (1M + 1R)</b>
	Passenger train	PAX Ale642 (1M + 2R)	<b>PAX Ale642 (1M + 2R)</b>
	Passenger train	PAX E401	<b>PAX E401</b>
	Passenger train	PAX E414+E414	<b>PAX E414+E414</b>
	Passenger train	PAX E464np+E464np	<b>PAX E464np+E464np</b>
	Passenger train	PAX ETR460	<b>PAX ETR460</b>
	Passenger train	PAX ETR485	<b>PAX ETR485</b>
	Passenger train	PAX ETR521 (old)	<b>PAX ETR521 (old)</b>



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Published by: UIC Sustainability

Directors of publication: Pinar Yilmazer, Lorenzo Franzoni

Cover and layout: Ludovic Wattignies

Photo credits: Adobe Stock, DB AG, DB Systemtechnik, Denis Verheyden, Günter Dinhobl (ÖBB), Harald Eisenberger (ÖBB), Infrabel, InterCityImpress, Manfred Kopka, Marc Ryckaert, Michiel Dumon

Printing: UIC

ISBN 978-2-7461-3313-6

Copyright deposit: October 2023

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