

# New locomotive numbering

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## NEW LOCOMOTIVE NUMBERING

Translated by the Editor. Information courtesy of SBB Magazine.

As part of the railway improvement programme called Bahn 2000 - which has already commenced operation - all locomotives including preserved but operational stock and powered rolling stock, will be renumbered in accordance with the notice UIC 438-3. Each piece of motive power is to be given a seven figure number in which the first three digits will comprise the group description code, the next three digits will be the serial number of the unit within that group and the last number will be the check digit. In the case of all new locomotives coming into service these will be numbered in the new scheme, but for existing stock the number change will only take place when the locomotive is sent for workshop overhaul. The table to be used to code the various motive power units is shown attached to this article.

Type	Old Number		New Number		Note
	From	To	From	To	
<b>Mainline Locomotives.</b>					
Ae3/6I	10637	10712	396 637	396 712	
Ae4/7	10901	10999	497 901	497 999	
Ae4/7	11000	11027	497 000	497 027	
Ae6/6	11401	11520	610 401	610 520	
Re4/4I	10001	10026	410 001	410 026	
Re4/4I	10027	10050	411 027	411 050	
Re4/4II	11101	11397	420 101	420 397	1
Re4/4III	11354	11370	430 354	430 370	
Re4/4IV	10101	10104	440 101	440 104	
Re4/4V	10500	?	450 000	?	
Re4/4V			453 000	?	2
Re4/4VI			460 000	?	3
Re4/4VI			462 000	?	4
Re6/6	11601	11689	620 601	620 689	
HGe4/4I	1991	1992	101 991	101 992	
HG34/4II	1951	1952	101 951	101 952	
HGe4/4II	1961	1968	101 961	101 968	
<b>Motor Coaches and Self Powered Train Units.</b>					
RABe	1051	1055	506 051	506 055	
RABDe12/12	1101	1118	511 101	511 118	
RABDe8/16	2001	2004	512 201	512 204	
RBe4/4	1410	1482	524 401	524 482	
RBDe4/4	2100	?	532 100	?	
Be4/6	1602	1616	526 602	526 616	
BDe4/4	1621	1651	536 621	536 651	
BDe4/4II	1301	1302	533 301	533 302	
De4/4	1661	1671	546 661	546 671	5
De4/4II	913		100 913		
Deh4/6	901	912	100 901	100 912	
Deh4/6	914	916	100 914	100 916	

Type	Old Number		New Number		Note
	From	To	From	To	
<b>Diesel and Shunting Locomotives.</b>					
Am4/4	18461	18467	843 461	843 467	
Am6/6	18521	18626	863 521	863 526	
Bm4/4	18401	18446	840 401	840 446	
Bm4/4II	18452		842 452		6
Ee3/3	16212	16460	930 313	930 460	
Ee6/6II	16811	16820	962 811	962 820	
<b>Service Department. Special Equipment.</b>					
XTm	91402		791 402		7
VTm	30 85 94 87 070 8		787 070 2		8
Tel	11		200 011		9
<b>Preserved, Working Locomotives.</b>					
C5/6	2978		002 978		
Ae3/5	10217		395 217		
Ae3/6I	10700		396 700		
Ae3/6II	10439		396 439		
Ae3/6III	10264		396 264		
Ae8/14	11801		498 801		
Am4/4	1001		841 001		
Be4/6	12320		496 320		
Be4/7	12504		497 504		
Ce6/8II	14253		698 253		
Ce6/8III	14305		698 305		
De4/4	1679		546 697		

**Notes:**

1. Sub sectioned for Locomotives suitable for DB/ÖBB use (Lindau line).
2. "S" Bahn Locomotives for the Basel/Geneva area.
3. Bahn 2000 Locomotive.
4. Bahn 2000 Locomotive. 15Kv 16.66Hz and 3000 v DC for the Milan route.
5. Historical Powered coach.
6. Historical Locomotive.
7. Self Powered service department wagon.
8. Track repair machine.
9. Track tractor.

The method of proving that the check digit is correct is to multiply by 2 every other figure of the number, starting from the right. Then add all digits of the result together, finally using just the unit digit subtract it from ten to give the check number.

*Example:*

UIC code for Re6/6 locomotives. Numbered 620 601 - 5 and 620 602 - 3

Code number	6 2 0 6 0 1	6 2 0 6 0 2
	x x x x x x	x x x x x x
	1 2 1 2 1 2	1 2 1 2 1 2
Result	6 4 0 12 0 2	6 4 0 12 0 4
Add digits	6+4+1+2+2 = 15	6+4+1+2+4 = 17
Take unit digit from	10 - 5 = 5	10 - 7 = 3

## New Numbering Scheme for SBB Motive Power.

Type No. Digit. 1 2 3	Electric Mainline Locomotive		Electric Power Coaches or Train unit.	Diesel and Shunting.	Special units.
	No Bogie wheels.	Bogie wheels.			
0 1 2 3 4 5 6 7 8 9	4 Powered axles  6 Powered axles	3 Powered axles 4 Powered axles  6 Powered axles	Motor coach/train	Diesel Locomotives Shunting Locomotive	Steam Locomotives Brüning Locomotives Tractors.  Service dept stock
0 1 2 3 4 5 6 7 8 9	Reserved Present index I Present index II Present index III Present index IV Present index V Present index VI Reserved Reserved	All (Instead of /)	Express stock Suburban stock (R)Be unit (R)BDe unit (R)De unit Reserved Reserved Reserved Reserved	Reserved Reserved Reserved 3 Powered axles 4 Powered axles Reserved 6 Powered axles Reserved Reserved Reserved	= 1st digit of present five figure number  Otherwise = 0
0 1 2 3 4 5 6 7 8 9	Sub section Sub section 2 Voltage system 3 Voltage system 4 Voltage system Sub section Sub section Sub section Sub section Useable on DB/ÖBB	Total axle No.      (Ae8/14 = 8)	For Express stock = No of coaches.  For Suburban stock = 1st digit Present No.  Powered coaches = 2nd digit present No.	Index or other means determining different series	= 2nd digit of of present 5 figure No. or = 1st digit of present 4 figure No.  Otherwise = 0