Maintenance Function Certificate IT/32/0118/0577

Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

1. CERTIFIED ORGANIZATION

Internal reference No: IT/32/0118/0577

Legal title:	KNORR BRE	MSE SFS GMBH (KB)		
Complete postal address:	Moosacher Strasse 8	30, 80809 Munich, Germany (DE)		
Registration business number: HR	Registration business number: HRB 91181 VAT No: DE129395680			
2. CERTIFICATION BODY				
Legal title:		Bureau Veritas Italia S.p.A.		
Complete postal address:		Viale Monza, n.347, 20126 Milano, Italia (IT)		
Certification body reference number	er:	EIN IT/30/0118/0002		
3. CERTIFICATE INFORMATION				
This is a - new certificate - renewed certific - updated/amend	The second second	ECM Certification Number of the previous certificate: IT/32/0118/0553		
Validity from: 2018 December 19th		to: 2021 September 18th		
Type of company: maintenance su	pplier			
4. SCOPE OF THE MAINTENAN	CE ACTIVITIES	2.1		
Covers tank wagons for dangerous	goods:	NO		
Covers other wagons specialized in	n transport of dangerous	goods: NO		
5. MAITENANCE FUNCTIONS	201 /	1 300		
Maintenance development	YES NO			
Fleet maintenance management	YES NO	\boxtimes		
Maintenance delivery	YES 🛛 NO			
6. ADDITIONAL INFORMATION				
This is a Multi-Site Certificate base The validity is dependent on the po The details of the single site certific	sitive result of the annua	I inspections documented with the related reports		
First issue date: 2016 S Current issue date: 2018 E	eptember 19th ecember 19th eptember 18th	Signature RS 47 PARIS		



Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 1 - Knorr-Bremse SfS GmbH (KB), Berlin Workshop No and Name: Complete postal address: Georg-Knorr-Strasse 4, 12681 Berlin, Germany (DE) Registration business No: HRB 91181 VAT No: DE129395680 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS YES NO 🖂 Maintenance development NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Distributor Valves KE, Distributors Valves OKE, Relay Valves, Weighing Valves, Anti Skid Valves, Angle Cocks, Pneumatic Valves and Units, Indicators, Air Suspensions, OKE Products, Block Brake Units, Slack Adjusters, **Actuating Cylinders** This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577. The KB Berlin ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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YES □ NO ☒	See page 1 for details.
YES NO	
YES NO CANAL	
YES NO	
YES □ NO ☒ YES □ NO ☒ YES □ NO ☒	
YES □ NO ☒	
YES□ NO 🗵	
W50 0 10 57	
VEO CONTRACTOR	
VEO [NO [
YES NO	the second second second
YES □ NO ☒	146 1-1
	ALL POLICE
YES ⊠ NO □	Workshop Address: Georg-Knorr-Strasse 4, 12681
YES □ NO ☒	Berlin, Germany (DE)
	YES ⊠ NO □



Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE			
Workshop No and Name:	2 - Knorr-Brem	se Nordic Rail Services AB (KBNRS)	
Complete postal address:	Traktrova	agen 8, SE-226 60 Lund, Sweden (SE)	
Registration business No: 556	6035-3335	VAT No: SE556035333501	

CERTIFICATE INFORMATION

This is a	new certificaterenewed certificateupdated/amended certificate		ECM Certification Number of the previous certificate: IT/32/0118/0553
Validity from	: 2018 December 19th	V-	to: 2021 September 18th
Type of site:	maintenance workshop		
SCOPE OF	THE MAINTENANCE ACTIVITIES		

Covers tank wagons for dangerous goods:	NO	1
Covers other wagons specialized in transport of dangerous goods:	NO	

SITE MAITENANCE FUNCTIONS

Maintenance development	YES □ NO ☒	4
Fleet maintenance management	YES NO 🛛	
Maintenance delivery	YES ⊠ NO □	W.

MAINTENANCE ACTIVITIES

Maintenance of the following braking system parts:

Distributor Valves KE, Distributors Valves OKE, Relay Valves, Weighing Valves, Anti Skid Valves, Angle Cocks, Pneumatic Valves and Units, Indicators, Air Suspensions, OKE Products, Block Brake Units, Actuating Cylinders

This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577

The KBNRS ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate

First issue date:

2016 September 19th

Current issue date:

2018 December 19th

Expiration date:

2021 September 18th

Internal reference No:

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7. SAFETY PARTS MAINTAINE	D	
Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO 🏻	
Wagon Frame	YES □ NO ☒	
Braking System	YES ⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO 🏻	0
Electrical System	YES □ NO ☒	
Fire Protection System	YES □ NO ☒	
On Board System	YES □ NO ☒	
8. SPECIAL PROCESSES		
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO ☑	THE THE PARTY OF T
9. OPERATING MODES		AVANCE VIEW IN THE
Fixed workshop	YES⊠ NO □	Workshop Address: Traktrovagen 8, SE-226 60 Lund,
Mobile workshop	YES □ NO ☒	Sweden (SE)
IT/32/0118/0577		



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Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 3 - Knorr-Bremse Rail Systems Italia S.r.l. (KBRSI) Workshop No and Name: Complete postal address: Via San Quirico, 199, 50013 Campi Bisenzio, Firenze, Italy (IT) Registration business No: 421907 VAT No: 04145160489 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🛛 Fleet maintenance management YES NO 🛛 Maintenance delivery YES 🖂 NO \square **MAINTENANCE ACTIVITIES** Maintenance of the following braking system parts: Distributor Valves KE, Distributors Valves OKE, Relay Valves, Weighing Valves, Angle Cocks, Pneumatic Valves and Units, Indicators, OKE Products, Block Brake Units, Slack Adjusters, Actuating Cylinders, Air Supply Units, Driver Brakes Valves, ATP Devices, Brake Control Units. Maintenance of the following door system parts: Sliding Doors, Plug Doors, Cab Doors, Internal Doors. This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBRSI ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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Wheelsets YES NO End Coupling System YES NO Wagon Frame YES NO Braking System YES NO Braking System YES NO See page 1 for details. Doors/Mobile Panels YES NO See page 1 for details. Electrical System YES NO Fire Protection System YES NO On Board System YES NO 8. SPECIAL PROCESSES Welding YES NO NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Via San Quirico, 199, 50013 Camp Bisenzio, Firenze, Italy (IT)	Bogie	YES □ NO ☒	
Wagon Frame YES NO See page 1 for details. Doors/Mobile Panels YES NO See page 1 for details. Electrical System YES NO See page 1 for details. YES NO See page 1 for details.	Wheelsets	YES □ NO ☒	
Braking System YES NO See page 1 for details. Doors/Mobile Panels YES NO See page 1 for details. Electrical System YES NO See page 1 for details. Electrical System YES NO See page 1 for details. Fire Protection System YES NO See page 1 for details. NO See page 1 for details. NO See page 1 for details. YES NO See page 1 for details.	End Coupling System	YES □ NO ☒	
Doors/Mobile Panels YES NO See page 1 for details. Electrical System YES NO S Fire Protection System YES NO S On Board System YES NO S 8. SPECIAL PROCESSES Welding YES NO S NO S NO S NO-Destructive Tests YES NO S 9. OPERATING MODES Fixed workshop YES NO S Workshop Address: Via San Quirico, 199, 50013 Camp	Wagon Frame	YES □ NO ☒	
Electrical System YES NO Fire Protection System YES NO On Board System YES NO 8. SPECIAL PROCESSES Welding YES NO YES NO NO Non-Destructive Tests YES NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Via San Quirico, 199, 50013 Camp	Braking System	YES⊠ NO □	See page 1 for details.
Fire Protection System YES NO NO NO Board System YES NO NO 8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Via San Quirico, 199, 50013 Camp	Doors/Mobile Panels	YES⊠ NO □	See page 1 for details.
On Board System YES □ NO ☒ 8. SPECIAL PROCESSES Welding YES □ NO ☒ Non-Destructive Tests YES □ NO ☒ 9. OPERATING MODES Fixed workshop YES ☒ NO □ Workshop Address: Via San Quirico, 199, 50013 Camp	Electrical System	YES □ NO ☒	
8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO NO NO NON-Destructive Tests YES NO NO NO NON-DESTRUCTIVE TESTS NO NO NO NON-DESTRUCTIVE TESTS NO NO NO NON-DESTRUCTIVE TESTS NO NO NO NORMANDES Fixed workshop YES NO NO NORMANDES NO	Fire Protection System	YES NO	
Welding YES □ NO ☒ Non-Destructive Tests YES □ NO ☒ 9. OPERATING MODES Fixed workshop YES ☒ NO □ Workshop Address: Via San Quirico, 199, 50013 Camp	On Board System	YES □ NO ☒	
Non-Destructive Tests YES □ NO ☑ 9. OPERATING MODES Fixed workshop YES ☑ NO □ Workshop Address: Via San Quirico, 199, 50013 Camp	8. SPECIAL PROCESSES		
9. OPERATING MODES Fixed workshop YES ☑ NO ☐ Workshop Address: Via San Quirico, 199, 50013 Camp Risenzio, Firenzo, Italy (IT)	Welding	YES□ NO 🏻	
Fixed workshop YES NO Workshop Address: Via San Quirico, 199, 50013 Camp	Non-Destructive Tests	YES NO	
Ricenzio Firenze Italy (IT)	9. OPERATING MODES		
Mobile workshop YES □ NO ☑ Bisenzio, Firenze, Italy (IT)	Fixed workshop	YES⊠ NO □	Workshop Address: Via San Quirico, 199, 50013 Camp
	Mobile workshop	YES□ NO 🏻	Bisenzio, Firenze, Italy (IT)
		11	



Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 4 - Knorr-Bremse GmbH Austria (KBA) Workshop No and Name: Complete postal address: Beethovengasse 43-45, A-2340 Mödling, Austria (AT) Registration business No: FN 38565p VAT No: ATU 19269100 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 Validity from: 2018 December 19th to: 2021 September 18th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🛛 NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Relay Valves, Anti Skid Valves, Angle Cocks, Pneumatic Valves and Units, Air Suspensions This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBA ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	
Electrical System	YES □ NO ☒	
Fire Protection System	YES NO	
On Board System	YES □ NO ☒	
8. SPECIAL PROCESSES	n.	
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO 🏻	
9. OPERATING MODES		
Fixed workshop	YES⊠ NO □	Workshop Address: Beethovengasse 43-45, A-2340
Mobile workshop	YES □ NO ☒	Mödling, Austria (AT)
	1/	



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Workshop No and Name:	5 - Knorr-E	Brems	e Rail Sys	tems UK Ltd	I. (KBRS)	
Complete postal address:	Westinghouse Way, H	ampton	n Park East	, Melksham, SN	N12 6TL, Unite	d Kingdom (GB)
Registration business No:	3974921		VAT No:	GB752952412		
CERTIFICATE INFORMA	ATION					
	rtificate d certificate d/amended certificate		ECM Certif IT/32/0118/	ication Number o 0553	of the previous ca	ertificate:
Validity from: 2018 Decem	ber 19th			to: 20	21 September	18th
Type of site: maintenance	workshop	3 =				
SCOPE OF THE MAINT	ENANCE ACTIVITIES				SULLE	
Covers tank wagons for d	angerous goods:	*		NO		
Covers other wagons spe	cialized in transport of dan	gerous	goods:	NO	[4]	1
SITE MAITENANCE FUI	NCTIONS		200		de de cu	
Maintenance developmen	YES 🗆	NO [1
Fleet maintenance manag	ement YES 🗆	NO [\boxtimes			
Maintenance delivery	YES ⊠	NO [5/	1	N.	
MAINTENANCE ACTIVI	TIES			1		No.
Maintenance of the following	ng braking system parts:	1				
Relay Valves, Weighing Valves and Units, Indicato	alves, Anti Skid Valves, Wo rs, Brake Caliper Units WZ	estingho K / RZS	ouse Valve S, Dehouss	s, Magnet Valve e Brake Cylind	es, Angle Cocl ers	ks, Pneumatic
This annex is part of the M	ulti-Site Maintenance Fund	ction Ce	ertificate of	Knorr Bremse	SfS Gmbh IT/3	32/0118/0577
The KBRSI ECM Maintena scope of this certificate.	ince system is applied, sar	me way	, to non-fre	ight wagon par	ts also althoug	h this is out of the
First issue date:	2016 September 19th					
Current issue date:	2018 December 19th					
Expiration date:	2021 September 18th					
Internal reference No:						
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7. SAFETY PARTS MAINTAINED		
Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES ⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO 🏻	1-9
Electrical System	YES □ NO 🏻	
Fire Protection System	YES NO	
On Board System	YES □ NO ☒	
8. SPECIAL PROCESSES		
Welding	YES □ NO 🏻	
Non-Destructive Tests	YES □ NO ☒	THE THE PERSON NAMED IN
9. OPERATING MODES	1	4) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Fixed workshop	YES ⊠ NO □	Workshop Address: Westinghouse Way, Hampton Park
Mobile workshop	YES □ NO ☒	East, Melksham, SN12 6TL, United Kingdom (GB)
	# /	
IT/32/0118/0577		Page 2 / 2



AConfirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 6 - Knorr-Bremse Rail Systems Schweiz AG (KBRS CH) Workshop No and Name: Complete postal address: Mandachstrasse 50, 8155, Niederhasli, Switzerland (CH) Registration business No: CH 020.3.919.037-1 VAT No: CHE-106.539.835 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🖂 NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Distributor Valves KE, Distributor Valves OKE, Relay Valves, Weighing Valves, Angle Cocks, Derailment Detectors, Actuating Cylinders, Slack Adjusters This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBRS CH ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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7. SAFETY PARTS MAINTAIN	ED	
Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	·
Electrical System	YES □ NO ☒	
Fire Protection System	YES □ NO ☒	
On Board System	YES NO	
8. SPECIAL PROCESSES	B	II A N
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO ☒	THE THE PARTY OF T
9. OPERATING MODES		
Fixed workshop	YES ⊠ NO □	Workshop Address: Mandachstrasse 50, 8155,
Mobile workshop	YES ⊠ NO □	Niederhasli, Switzerland (CH)
	11	
IT/32/0118/0577		Page 2



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CERTIFIED SITE 7 - Knorr-Bremse Vasúti Jármû Rendszerek Hungária Kft. - KBRS HU Workshop No and Name: Complete postal address: Helsinki út 105, 1238, Budapest, Hungary (HU) Registration business No: 01-09-464653 VAT No: 12089675-2-44 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO NO Covers other wagons specialized in transport of dangerous goods: SITE MAITENANCE FUNCTIONS NO 🖾 YES Maintenance development Fleet maintenance management YES NO 🛛 Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Distributor Valves KE, Relay Valves, Weighing Valves, Angle Cocks, Indicators, Block Brake Units, Slack Adjusters This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBRS HU ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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7. SAFETY PARTS MAINTAIN		
Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES ⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	9
Electrical System	YES □ NO ☒	
Fire Protection System	YES □ NO ☒	
On Board System	YES NO	
8. SPECIAL PROCESSES		
Welding	YES □ NO ☒	
Non-Destructive Tests	YES NO	
9. OPERATING MODES	13/10	
Fixed workshop	YES ⊠ NO □	Workshop Address: Helsinki út 86, 1201, Budapest,
Mobile workshop	YES ⊠ NO □	Hungary (HU)



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CERTIFIED SITE 8 - Knorr-Bremse Systèmes Ferroviaires France S.A. Workshop No and Name: Complete postal address: 9 route de Champigny, CS 10038, 51430, Tinqueux, France (FR) Registration business No: 095 781 720 VAT No: FR35 095 781 720 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🖂 Fleet maintenance management YES NO 🛛 Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Distributor Valves KE, Distributor Valves OKE, Relay Valves, Weighing Valves, Anti Skid Valve, Indicators, OKE Products, Block Brake Units This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBSF ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES ⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	
Electrical System	YES □ NO ☒	
Fire Protection System	YES NO	
On Board System	YES NO	The same of the sa
8. SPECIAL PROCESSES		
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO ☒	
9. OPERATING MODES	30,	
Fixed workshop	YES ⊠ NO □	9 route de Champigny, CS 10038, 51430, Tinqueux,
Mobile workshop	YES □ NO ☒	France (FR)
	11	



Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 9 - Knorr-Bremse España, S.A. - (KBE) Workshop No and Name: Miguel Faraday 1, Parque Empresarial "La Carpetania", Complete postal address: 28906, Getafe (Madrid), Spain (ES) VAT No: A28125078 Registration business No: 281869 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 to: 2021 September 18th Validity from: 2018 December 19th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🖂 NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Screw Compressors, Piston Compressors, Air Dryers, Distributor Valves, EP-Valves and pneumatic valves, Brake Control Units and Panels, Brake Caliper Units WZK / RZS, Brake Cylinders, Slack adjusters and ancillary equipment (cocks, indicators, etc.) This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBE ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Wagon Frame	YES □ NO ☒	
Braking System	YES⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	1-9
Electrical System	YES □ NO ☒	
Fire Protection System	YES NO	
On Board System	YES □ NO ☒	manufactured and the same of t
8. SPECIAL PROCESSES		W _ 1 _ 1 _ 1 _ 1
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO ☒	THE STATE OF THE S
9. OPERATING MODES		
Fixed workshop	YES ⊠ NO □	Miguel Faraday 1, Parque Empresarial "La Carpetania"
Mobile workshop	YES □ NO ☒	28906, Getafe (Madrid), Spain (ES)
	1/	



Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 10 - Knorr-Bremse Systemy Kolejowe Polska Sp. z o.o. - (KBSKP) Workshop No and Name: Complete postal address: UI. Szymona Szymonowica 85, 30-396, Kraków, Polska (PL) Registration business No: KRS 0000101217 VAT No: 6772128329 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 Validity from: 2018 December 19th to: 2021 September 18th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS Maintenance development YES NO 🛛 NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 **MAINTENANCE ACTIVITIES** Maintenance of the following braking system parts: Distributor Valves KE, Distributor Valves OKE This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBSKP ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No:



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Bogie	YES □ NO ☒	
Wheelsets	YES □ NO ☒	
End Coupling System	YES □ NO ☒	
Nagon Frame	YES □ NO ☒	
Braking System	YES ⊠ NO □	See page 1 for details.
Doors/Mobile Panels	YES □ NO ☒	
Electrical System	YES □ NO ☒	
Fire Protection System	YES □ NO ☒	
On Board System	YES NO	manufacture
8. SPECIAL PROCESSES		
Welding	YES □ NO ☒	
Non-Destructive Tests	YES □ NO ☒	
9. OPERATING MODES		ANN NO
Fixed workshop	YES ⊠ NO □	Workshop Address: UI. Szymona Szymonowica 85,
Mobile workshop	YES □ NO ☒	30-396, Kraków, Polska (PL)
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Confirming acceptance of the maintenance system within the European Union in conformity with Directive 2004/49/EC and Regulation (EU) No 445/2011

CERTIFIED SITE 11 - Knorr-Bremse S.R.L. - (KBRORSB) Workshop No and Name: Complete postal address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO) Registration business No: J40/6280/2006 VAT No: 18585200 **CERTIFICATE INFORMATION** This is a - new certificate - renewed certificate ECM Certification Number of the previous certificate: X - updated/amended certificate IT/32/0118/0553 Validity from: 2018 December 19th to: 2021 September 18th Type of site: maintenance workshop SCOPE OF THE MAINTENANCE ACTIVITIES Covers tank wagons for dangerous goods: NO Covers other wagons specialized in transport of dangerous goods: NO SITE MAITENANCE FUNCTIONS NO 🖾 Maintenance development YES NO 🛛 Fleet maintenance management YES Maintenance delivery YES 🖂 NO 🗌 MAINTENANCE ACTIVITIES Maintenance of the following braking system parts: Distributor Valves KE, Relay Valves, Weighing Valves WM This annex is part of the Multi-Site Maintenance Function Certificate of Knorr Bremse SfS Gmbh IT/32/0118/0577 The KBRSB ECM Maintenance system is applied, same way, to non-freight wagon parts also although this is out of the scope of this certificate. First issue date: 2016 September 19th Current issue date: 2018 December 19th Expiration date: 2021 September 18th Internal reference No: IT/32/0118/0577



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Fire Protection System YES NO NO NO Board System YES NO NO 8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	Bogie	YES □ NO ☒	
Wagon Frame YES NO See page 1 for details. Doors/Mobile Panels YES NO See page 1 for details. Doors/Mobile Panels YES NO SElectrical System YES NO SElectrical System YES NO SELECTRICAL System YES NO SELECTRICAL System YES NO SELECTRICAL PROCESSES Welding YES NO SEED	Wheelsets	YES □ NO ☒	
Braking System YES NO See page 1 for details. Doors/Mobile Panels YES NO SElectrical System NO DEPARTING MODES Fixed workshop YES NO SEE Page 1 for details.	End Coupling System	YES □ NO ☒	
Doors/Mobile Panels YES NO Electrical System YES NO Fire Protection System YES NO On Board System YES NO 8. SPECIAL PROCESSES Welding YES NO YES NO NO NOn-Destructive Tests YES NO YES NO Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	Wagon Frame	YES □ NO ☒	
Electrical System YES NO Fire Protection System YES NO On Board System YES NO 8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	Braking System	YES ⊠ NO □	See page 1 for details.
Fire Protection System YES NO NO NO Board System YES NO NO 8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO NO 9. OPERATING MODES Fixed workshop YES NO Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	Doors/Mobile Panels	YES □ NO ☒	
On Board System YES □ NO ☒ 8. SPECIAL PROCESSES Welding YES □ NO ☒ Non-Destructive Tests YES □ NO ☒ 9. OPERATING MODES Fixed workshop YES ☒ NO □ Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	Electrical System	YES □ NO ☒	
8. SPECIAL PROCESSES Welding YES NO NO Non-Destructive Tests YES NO NO NO NON-Destructive Tests YES NO NO NON-Destructive Tests YES NO NO NON-Destructive Tests YES NO NO NON-Destructive Tests NO NO NON-Destructive Tests YES NO NO NON-Destructive Tests NO NO NON-Destructive Tests NO NO NON-Destructive Tests NO NO NO NON-Destructive Tests NO	Fire Protection System	YES NO	
Welding YES □ NO ☒ Non-Destructive Tests YES □ NO ☒ 9. OPERATING MODES Fixed workshop YES ☒ NO □ Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	On Board System	YES NO	The state of the s
Welding YES □ NO ☒ Non-Destructive Tests YES □ NO ☒ 9. OPERATING MODES Fixed workshop YES ☒ NO □ Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	0 SDECIAL DDOCESSES		
Non-Destructive Tests YES □ NO ☑ 9. OPERATING MODES Fixed workshop YES ☑ NO □ Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO		VECT NO M	
9. OPERATING MODES Fixed workshop YES ☑ NO □ Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO			
Fixed workshop YES NO Workshop Address: Sos. Vitan-Bârzeşti 9A, Sector 4, RO-042122, Bucureşti, România (RO	NOTI-Destructive rests	TES LINO A	
RO-042122, București, România (RC	9. OPERATING MODES		
Mobile workshop YES NO 🗵	Fixed workshop	YES ⊠ NO □	
	Mobile workshop	YES □ NO ☒	RO-042122, Bucureşti, Romania (RC
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