



CERTIFICATE

Intermediate Statement of Verification

Certificate Number: 1714 / 8 / SB / 15 / RST / EN / 1562

In accordance with Directive 2008/57/EC of the European Parliament and of the Council of 17 June 2008 on the interoperability of the rail system within the Community as amended by Commission Directives 2009/131/EC of 16 October 2009, 2011/18/EU of 01 March 2011 and 2013/9/EU of 11 March 2013 the following Subsystem (as detailed in the attached annex):

**Screw coupling 850 kN,
drw. No. 455.9.400.01.01.2 or 455.9.400.01.01.6 or 455.9.400.02.01.0**

of Applicant:

MSV Metal Studénka, a.s.
at R. Tomáška 859, 742 13 Studénka, Czech Republic

has been assessed by Notified Body:

Výzkumný Ústav Železniční, a.s.
at Praha 4, Braník, Novodvorská 1698, PSČ 142 01, Czech Republic

in respect of compliance with the applicable requirements of the above mentioned Directives and Decisions as listed in the attached annex.

The Subsystem was shown to comply, subject to any restrictions and conditions listed on the attached annex, which forms part of this intermediate statement.

This Intermediate Statement of Verification has been performed by application of Module SB of the Commission Regulation (EU) No 321/2013 of 13 March 2013 concerning the technical specification for interoperability relating to the subsystem 'rolling stock — freight wagons' of the rail system in the European Union and repealing Decision 2006/861/EC as amended by Commission Regulation (EU) No 1236/2013 of 2 December 2013 (TSI RST WAG), adopted pursuant to the Directive.

This Intermediate Statement of Verification is valid for the Subsystem 'Rolling stock' called by applicant 'Screw coupling 850 kN, drw. No. 455.9.400.01.01.2 or 455.9.400.01.01.6 or 455.9.400.02.01.0', the design, ratings and operational parameters of which are described in the annex.

Place and Date of Issue:

Praha, 14.01.2015

Valid until:

unlimited

**Identification Number
of Notified Body:**

1714

Signature:

On behalf of Notified Body

Name:

Ing. Antonín Blažek, Ph.D.

Title:

Director General
Výzkumný Ústav Železniční, a.s.



Subsystem:

**Screw coupling 850 kN,
drw. No. 455.9.400.01.01.2 or 455.9.400.01.01.6 or 455.9.400.02.01.0**

of Applicant:

MSV Metal Studénka, a.s.
at R. Tomáška 859, 742 13 Studénka, Czech Republic

Technical file:

Not concerned.

Overview of main characteristics:

Variant	Design	Designation of variant
Screw coupling 850 kN, drw. No. 455.9.400.01.01.2	with hinged handle (T-bar)	A
Screw coupling 850 kN, drw. No. 455.9.400.01.01.6	with hinged handle (T-bar) and with the designation of the owner	B
Screw coupling 850 kN, drw. No. 455.9.400.02.01.0	with hinged ball handle (T-bar)	C

Scope of assessment:

Assessment of the part of the rolling stock subsystem „Manual coupling system“ according to requirements of TSI, point 4.2.2.1.1.

List of applicable technical regulations, documents and standards:

Applicable TSI:

Designation	Title	Date of issue
Commission Regulation (EU) No 321/2013 as amended by Commission Regulation (EU) No 1236/2013	TSI for subsystem 'Rolling Stock – Freight Wagons'	13.03.2013 02.12.2013
Commission Decision 2010/713/EU	on modules for the procedures for assessment of conformity, suitability for use and EC verification to be used in the technical specifications for interoperability adopted under Directive 2008/57/EC of the European Parliament and of the Council	09.11.2010

Mandatory standards or other documents mentioned in TSI:

Designation	Title	Date of issue / Effective date
ČSN EN 15566+A1:2011	Railway applications - Railway rolling stock - Draw gear and screw coupling	01.06.2011

ČSN EN 15566+A1:2011 is the Czech version of the harmonized European standard EN 15566:2009+A1:2010. The normative part of both standards is identical.

Recommended standards or other documents unmentioned in TSI:

None.

Restrictions:

None.

Details of associated Interoperability Constituents:

Not concerned.

List of approved documents:

Designation/Publisher (if different from applicant)	For variant of design	Title	Date of issue	Date of last revision
455.9.400.01.01.2, revision e)	A	Screw coupling 850 kN, ass.	14.12.2004	04.09.2014
455.9.400.01.01.6	B	Screw coupling 850 kN, ass.	16.08.2010	-
455.9.400.02.01.0, revision b)	C	Screw coupling 850 kN, ass.	25.01.1994	02.11.2011
455.0.400.01.016, revision b)	A, C	Coupling screw	13.12.2004	04.09.2014
455.0.400.01.071, revision a)	B	Coupling screw	16.08.2010	04.09.2014
455.0.400.01.017a, revision c)	A, C	Trunnion looped coupling link side	13.12.2004	04.09.2014
455.0.400.01.072, revision a)	B	Trunnion looped coupling link side	16.08.2010	04.09.2014
455.0.400.01.018a, revision c)	A, C	Rod	14.12.2004	04.09.2014
455.0.400.01.074, revision a)	B	Rod	16.08.2010	04.09.2014
455.0.400.01.019a, revision c)	A, C	Coupling link	14.12.2004	04.09.2014
455.0.400.01.073, revision a)	B	Coupling link	16.08.2010	04.09.2014
455.0.400.01.020a, revision c)	A, C	Draw-bar pin	14.12.2004	04.09.2014
455.0.400.01.076, revision a)	B	Draw-bar pin	16.08.2010	04.09.2014
455.0.400.01.021, revision a)	A, C	Head of lever	14.12.2004	14.12.2004
455.0.400.01.078	B	Head of lever	16.08.2010	-
455.0.400.01.022, revision b)	A	Lever movable	14.12.2004	04.09.2014
455.0.400.01.079, revision a)	B	Lever movable	16.08.2010	04.09.2014
455.0.400.02.001, revision a)	C	Lever movable	11/1993	04.09.2014
455.0.400.01.023a, revision c)	A, C	Trunnion coupling link side	14.12.2004	04.09.2014
455.0.400.01.075, revision a)	B	Trunnion coupling link side	09.08.2010	04.09.2014
455.0.400.01.024, revision b)	A, C	Standard marking	17.12.2004	04.09.2014
455.0.400.01.080, revision a)	B	Standard marking	09.08.2010	04.09.2014
455.9.400.01.03.1, revision a)	A	Trunnion, ass.	14.12.2004	14.12.2004
455.9.400.01.03.2	B	Trunnion, ass.	18.08.2010	-
455.0.400.01.031, revision a)	A	Trunnion, coupling link side	16.05.2005	04.09.2014
455.0.400.01.077, revision a)	B	Trunnion, coupling link side	09.08.2010	04.09.2014
POZ 073/2009 VUZ, a.s. Praha	A, B, C	Protokol o zkoušce Zkouška táhlových háků a táhlových ústrojí Šroubovka 850 kN, ERRI - document in Czech	07.12.2009	-
18745Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungsspindel Z.Nr. 2Fwg000.0.05.038.102 Zustand 0(01/02-95), 455.0.400.01.016 index a - document in German	26.11.2013	-
P/3070-21/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungsspindel Z.Nr. 2Fwg000.0.05.038.102 Zustand 0(01/02-05) - document in German	22.11.2013	-
45/13	A, B, C	Test Report – Surface Defect Test – Vřeteno (Coupling screw), Draw. No. 2Fwg000.0.05.038.102, 455.0.400.01.016 index a	29.11.2013	-

Designation/Publisher (if different from applicant)	For variant of design	Title	Date of issue	Date of last revision
18735Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungsbügel mit Kupplungsmutter Z.Nr. 1Fwg000.0.05.038.110 Zustand 0(01/02-95) 455.0.400.01.019a index b-Bügel- třmen - document in German	26.11.2013	-
P/3070-11/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungsbügel mit Kupplungsmutter – Bügel, Z.N. 1Fwg000.0.05.038.110 Zustand 0(01/02-95) - document in German	22.11.2013	-
18736Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungsbügel mit Kupplungsmutter, Z.Nr. 2Fwg000.0.05.038.106, Zustand 0(01/02-95) 455.0.400.01.017a index b – Mutter – matice - document in German	26.11.2013	-
P/3070-12/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungsbügel mit Kupplungsmutter – Mutter, Z.Nr. 2Fwg000.0.05.038.106, Zustand 0(01/02-95) - document in German	22.11.2013	-
39/13	A, B, C	Test report – Surface Defect Test – Třmen s maticí (Coupling link with Trunnion), Draw. No. 1Fwg000.0.05.038.110 Zustand 0(01/02-95) 455.0.400.01.019a index b – Bügel – třmen 2Fwg000.0.05.038.106, Zustand 0(01/02-95) 455.0.400.01.017a index b- Mutter-matrice	29.11.2013	-
18732Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungslasche Z.Nr. 1Fwg000.0.05.038.109 Zustand 0(01/02-95), 455.0.400.01.018a index b - document in German	26.11.2013	-
P/3070-8/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungslasche Z.Nr. 1Fwg000.0.05.038.109 Zustand 0 (01/02-95) - document in German	22.11.2013	-
37/13	A, B, C	Test report – Surface Defect Test – Závěsnice (Rod), Draw. No. 1Fwg000.0.05.038.109 Zustand 0 (01/02-95), 455.0.400.01.018a index b	29.11.2013	-

Designation/Publisher (if different from applicant)	For variant of design	Title	Date of issue	Date of last revision
2236	A, B, C	Prüfprotokoll – Certificate of test Kupplungsglasche – závěsnice (Rod) Z.Nr. 1Fwg000.0.05.038.109 Zustand 0 (01/02-95), 455.0.400.01.018a index b	29.11.2013	-
18739Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungsmutter, Laschenseiting, Z.Nr. 3Fwg000.0.05.038.111 Zustand 0(01/06-01), 455.0.400.01.031 - document in German	26.11.2013	-
P/3070-15/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungsmutter, Laschenseiting, Z.Nr. 3Fwg000.0.05.038.111 Zustand 0(01/06-01) - document in German	22.11.2013	-
40/13	A, B, C	Test report – Surface Defect Test – Matice závěsnice (Trunnion coupling link side) Draw. No. 3Fwg000.0.05.038.111 Zustand 0(01/06-01) 455.0.400.01.031	29.11.2013	-
18729Z13 VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Prüfungsprotokoll – Kupplungsbolzen Z.Nr. Stw505.29.007, Zustand 0(01/02-95) 455.0.400.01.020a - document in German	26.11.2013	-
P/3070-4/13n VÍTKOVICE TESTING CENTER s.r.o.	A, B, C	Werkzeugnis – Kupplungsbolzen Z.Nr. Stw505.29.007, Zustand 0(01/02-95) - document in German	22.11.2013	-
34/13	A, B, C	Test report – Surface Defect Test – Kupplungsbolzen – Čep (Draw-bar pin) Draw. No. Stw505.29.007 Zustand 0 (01/02-95) 455.0.400.01.020a	29.11.2013	-
PUK MSV 400/S PUK MSV 407/S PUK MSV 405/S	A B C	Pokyny pro údržbu, kontrolu během provozu a pro opravy – Mezní technický stav a mezní povolené rozměry opotřebení při prohlídkách - Seznam náhradních dílů - documents in Czech	06.02.2008 02.02.2011 06.02.2008	26.04.2011 26.04.2011 26.04.2011
2044	A, B, C	Prüfprotokoll – Testing report Screw coupling 850 kN	07.11.2013	-
UIC 826, page from 21 to 23	A, B, C	Special requirements applicable to standard 850 kN screw couplers - Hardness	-	05/2004
1066/14	A, B, C	Certificate of test – Connecting rod side SNCF, Draw. No. 455.0.400.01.023	16.05.2014	-

Designation/Publisher (if different from applicant)	For variant of design	Title	Date of issue	Date of last revision
517/14	A, B, C	Protokoll Metalographisches Labor Mutter für die Laschen Z.Nr. 455.0.400.01.023 - document in German	19.05.2014	-
17/14	A, B, C	Test report – Surface Defect Test – matice závěsnice (Trunnion coupling link side), Draw. No. 455.0.400.01.023	28.05.2014	-
39	A, B, C	Kontrolní protokol Metrosoft Quartis; šroubovka 850 kN – kontrola prohnutí dílu dle EN 15566 - document in Czech	28.05.2014	-
Krajský soud v Ostravě oddíl B, vložka 727 Ministerstvo spravedlnosti ČR	A, B, C	Úplný výpis z obchodního rejstříku – předchozí názvy MSV Metal Studénka, a.s. - document in Czech	30.06.2014	-

Relevant issued certificates:

None.

The data detailing servicing, routine maintenance and adjustment:

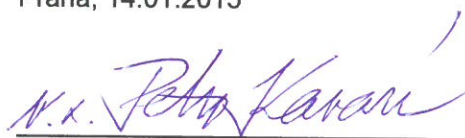
Designation	Title	Date of issue	Date of last revision
PUK MSV 400/S PUK MSV 407/S PUK MSV 405/S	Pokyny pro údržbu, kontrolu během provozu a pro opravy – Mezní technický stav a mezní povolené rozměry opotřebení při prohlídkách - Seznam náhradních dílů - documents in Czech.	06.02.2008 02.02.2011 06.02.2008	26.04.2011 26.04.2011 26.04.2011

Other certificates about conformity:

Applicant didn't mention any information about assessment according to the other EU Directives.

Place and Date of Issue: Praha, 14.01.2015

Signature:


On behalf of the Notified Body

The Essential Requirements have been assessed as being met through compliance with the technical requirements of the relevant TSI only.