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*Business #: 9593*

*Customer: VAKO*

# FINAL ASSESSMENT REPORT

## NoBo Mission

### RELATED TO “EC” TYPE EXAMINATION of a Sgns(s) 60’ Wagon from VAKO (module SB)



*CONFIDENTIAL*

LIST OF SUCCESSIVE VERSIONS:

Version	Date	Changes
1DA	05/08/2022	Initial version
1	10/08/2022	§3.5, §4 Certification committee comments

*The latest version supersedes the previous.*

VALIDATION:

Name: Nick SANTOS Function: Project Manager	Signature 
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*People who have written and checked this report (listed on the cover) approved it using secure electronic authorization, with CERTIFER's EDM software keeping a trace of it.*

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### List of attached documents

EC\_9593\_0202\_03 Workbook TSI-NOI 2019

EC\_9593\_0203\_10 Workbook TSI-WAG 2020

# 1. Context of the Project

## 1.1. General

CERTIFER's business is part of a notified body's (NoBo) mission in the field of the technical regulations and specifications for interoperability.

## 1.2. Identification of the product subject to conformity assessment

The purpose is to evaluate the design of a Sgns(s) 60'-type flat wagon, designed and manufactured in Turkey by VAKO. This Sgns wagon is based on existing types of Sgns wagon, subject to evolutions related to the length and the running gear.

## 1.3. Identification of reference documents

- Directive (EU) 2016/797 of 11 May 2016
- 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, repealing Decision 2006/861/EC and Amended by Commission Implementing Regulation (EU) 2019/776 of 16 May 2019
- COMMISSION REGULATION (EU) No 1304/2014 of 26 November 2014 on the technical specification for interoperability relating to the subsystem 'rolling stock — noise' amending Decision 2008/232/EC, repealing Decision 2011/229/EU and Amended by Commission Implementing Regulation (EU) 2019/774 of 16 May 2019
- COMMISSION IMPLEMENTING REGULATION (EU) 2018/545 of 4 April 2018 establishing practical arrangements for the railway vehicle authorisation and railway vehicle type authorisation process pursuant to Directive (EU) 2016/797 of the European Parliament and of the Council

## 1.4. Identification of Assessment Plan

DP\_3818\_0011 version 1 (07/03/2022)

## 1.5. Identification of the product designer or manufacturer

### **VAKO**

Fatih Sultan Mah. 2368 Sok. No:6  
Çamlıkpark , Etimesgut / Ankara

### 1.6. Name and function of stakeholders (including subcontractors) in charge of the assessment

	<b>Senior</b>
<b>Project manager</b>	Nick SANTOS
<b>Lead Assessor</b>	Henri LAGNEAU
<b>Brake</b>	Gerrit PLUQUET
<b>Mechanical engineering, Noise</b>	Henri LAGNEAU
<b>Type inspection</b>	Jean Michel PERZ
<b>Quality Audit</b>	Gonul YILDIRIM

### 1.7. Scope of the assessment described in this report

The assessment of conformity of the product with the technical requirements expressed in the applicable TSI shall be conducted by the examination of the design / construction file of the wagon under assessment.

### 1.8. Restraints and assumptions related to the compliance assessment

This type of wagon with different dimensions and running gear has been assessed by CERTIFER in 2020; refer to EC\_9593\_0005\_2.

## 2. Description of the assessment work

### 2.1. Assessment methods

CERTIFER carries out the assessment with respect to its Quality Management System.

CERTIFER conducts this service in compliance with its internal procedure “Normal progress of a certification” answering the requirements of the standard EN 17065:2012 and being the subject of the accreditation by the COFRAC (French Committee of Accreditation), Certification section under N°5-0572 for the “Rail transport” scope. The scope is available on [www.cofrac.fr](http://www.cofrac.fr).

The assessment is carried out by an Assessor in the Technical Field who is appointed by one of the Section Committees of CERTIFER.

The final report is edited by the Assessor, under the supervision of the Project Manager.

### 2.2. Measurements or tests

#### 2.2.1. Measurements or tests performed by or on behalf of CERTIFER

NA

#### 2.2.2. Measurements or tests accepted as input data

All of the certification tests were witnessed by CERTIFER and are therefore trustful.

The results are trustfully acceptable.

### 2.3. Identification of the documents or products assessed

The general layout and design characteristics of the wagon are given in Document VK-60.00.00.101 Intermodal Wagon Sgns(s) 60' of 02/12/2021.

The detail documents are those referred to in the two attached workbooks.

### 2.4. Development process of the assessment work

The development of the assessment took place from 18/02/2022 until now.

The assessment is carried out according to the Assessment Plan.

CERTIFER has not subcontracted any part of the work.

## 3. Results

### 3.1. Exchange between VAKO and CERTIFER

The exchanges between the applicant and CERTIFER were carried out by emails. All open points have been satisfactorily answered and are closed.

The point is completely satisfying.

### 3.2. Assessment of conformity with the technical specification for interoperability relating to the subsystem 'rolling stock — freight wagons'

The assessment is recorded in the attached document (EC\_9593\_0203\_10 Workbook TSI-WAG 2020). According to the expert opinion, in view of the explanations given by the applicant and the results of the assessment of the design documents, the wagon is technically compliant to:

- the essential requirements
- the clause 7.1.2. Mutual recognition of the first authorisation of placing on the market
- the Appendix C totally [GE wagon].

The demonstration of conformity of the wagon is acceptable.

### 3.3. Assessment of conformity of Constituents of Interoperability

Constituents are described in table IC Areas of use in attached document (EC\_9593\_0203\_10 Workbook TSI-WAG 2020).

It can be assessed that the constituents are implemented on the sub-system within their respective areas of use.

The demonstration of conformity is acceptable.

### 3.4. Assessment of conformity with the technical specification for interoperability relating to the subsystem 'rolling stock — noise'

The assessment is recorded in the attached document (EC\_9593\_0202\_03 Workbook TSI-NOI 2019). The applicant has used the full-scale test, the wagon is technically compliant to the requirements.

The demonstration of conformity of the wagon is acceptable.

### 3.5. Wagon type inspection

The wagon type n°37 80 4563 306-2 first wagon of a batch of one hundred commissioned by VTG was inspected on assembly site 28/06/2022. This wagon has no parking brake. The inspection has concluded that the wagon type is compliant with the dossier examined during assessment. The inspection of a wagon equipped with a parking brake is pending.

The point is partially satisfying.

Nota: these results relate exclusively to the elements of the service described in the paragraph 1 above.

## 4. Conclusion

The wagon complies with:

- the "EC" type examination of regulations applicable to interoperable freight wagons
- the clause 7.1.2. Mutual recognition of the first authorisation of placing on the market
- the Appendix C totally [GE wagon]
- wagon type n°37 80 4563 306-2 is compliant with the technical description of a wagon without parking brake which has been examined.

**The assessment team is in agreement with the "EC" certification (module SB) of the wagon.  
Inspection of a wagon with parking brake is pending.**