

MARKET CONSULTATION DOCUMENT

Gangway Bellows (Folding) 13G/14G Combino Trams

16-12-2019

V1.0 final



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Reader's guide

This is the market consultation document for renewal Folding Bellows of the Combino

This document contains the following chapters:

Chapter 1: contains general information about GVB, about this market consultation and the timetable.

Chapter 2: contains the administrative conditions that apply to this market consultation.

Chapter 3: contains a brief description of the current situation and a vision for the future.

Chapter 4: contains GVB's questions for the market with regard to the market consultation.

Definitions

- Interested party: the participant in the market consultation



Introduction

GVB intends to hold a European tender for the purchase of Gangway Bellows (folding) for the Combino Trams.

In anticipation of this, GVB wishes to hold a consultation round with market parties. This document has been drawn up for this consultation round.

1.1 Publication

This market consultation is published through TenderNed, the Dutch procurement platform and also automatically published on Tenders Electronic Daily (TED). All provisions set forth in this publication remain applicable and can be requested from <http://ted.europa.eu> and www.tenderned.nl.

If you wish to remain informed about further publications regarding this market consultation, such as any Summaries of Additional Information and Changes, then you must register on TenderNed and add this market consultation to 'my tenders'. See also the manual for entrepreneurs on Tenderned.nl. You can also email the contact person for this market consultation. The market consultation document will be sent to you by email on request.

1.2 Definition of a market consultation

A market consultation is used to improve, assess and/or further detail the quality of the contract documents or programme of requirements and the procurement process.

By using the knowledge and skills of parties, a public organisation can assess a proposed project and the accompanying preconditions for accuracy, completeness and feasibility. This allows the feasibility of the project to be determined and the preconditions under which the project should be carried out to be established.

The market consultation is a separate process that is carried out prior to a formal tender process. The market consultation is not a call for participation and is not part of a pre-qualification procedure. The information from the market consultation can be used to create a good procurement process. By having a good procurement process the probability of a suitable offer for GVB is greater.

1.3 Aim of market consultation

The aim of this market consultation is to consult the market in relation to exploring the possibilities for renewal of the Gangway Bellows (folding) for the Combino Trams.

GVB hopes by doing so that any tender organised and agreement entered into will be optimally tailored to the market.

1.4 Staging

The market consultation is divided into 2 stages:

1. A written response to the questions raised;



2. An oral explanation to the questions raised with the corresponding answers; this will be done by holding individual talks. See also article 1.6; this stage is optional and depends entirely on the outcome or conclusion based on the answers given to the questions raised.

1.5 Reserve

GVB proposes the following conditions that are automatically accepted by the interested party on participation in this consultation:

- A. GVB will not reimburse costs associated with this market consultation in any way;
- B. GVB reserves the right not to follow up on this market consultation;
- C. GVB reserves the right, depending on this consultation, to choose a procurement strategy that is right and appropriate for it.
- D. The information provided can be freely used by GVB.

1.6 Process market consultation

The announcement of this market consultation "Renewal Gangway Bellows (folding)" with the corresponding documents was published in accordance with the timetable in section 1.7 through TenderNed and also automatically published on Tenders Electronic Daily (TED). This means all interested parties have the opportunity to take part in this market consultation.

Up until the time indicated in the timetable there is still a possibility to ask questions in writing to clarify the market consultation, of which a Summary of Additional Information and Changes will be drawn up. You can use TenderNed to ask questions.

GVB would then like to receive a written response to the questions, which are in the chapter "Market consultation questions". The answers to the questions can be submitted until the time as indicated in the timetable. Submissions should preferably be made via the messaging module in TenderNed. For this you can use the format in the attachment and add it to the message in TenderNed.

Following these written questions and/or comments, GVB can proceed to requesting further information. This can take place by written questions or consist of further meetings, but this is not a requirement.

Consultation with parties will focus on mutual exchange of information. The parties concerned can put forward their ideas on the matter of the market consultation.

A confidential report will be drawn up of each meeting and submitted to the party in question for approval. GVB is not obliged to give detailed feedback to the participating parties.



In conclusion to the market consultation GVB will draw up an anonymised report outlining the findings. This report will also be published on TenderNed.nl. The findings ensue from the answers to questions raised.

1.7 Market consultation timetable

The timetable for the market consultation procedure is shown here below. GVB has posted an announcement for this market consultation on TenderNed. This is the formal commencement of the market consultation.

GVB reserves the right to make changes to the timetable and/or to depart from it; in such cases, communication with all interested parties will take place via TenderNed.

Stage	Milestone	Date
1	Publication of announcement	16-12-2019
2	Submit questions to clarify market consultation document	10-01-2020 (12:00)
3	Publication of the answers	13-01-2020
4	Deadline for submitting the market consultation.	20-01-2020 (12:00)
5	Prepare, send and publish final report.	25-01-2020



2 Administrative conditions

2.1 Correspondence

The communication on this market consultation should always be in writing and take place via the messaging module in TenderNed.

The following contact person from GVB has been appointed for this tender:

Purchasing Department

Attn.: Naomi van der Meij, Buyer
Postal address: Postbus 2131, 1000 CC Amsterdam
Physical address: Arlandaweg 106, 1043 HP Amsterdam
E-mail address: Naomi.vanderMeij@gvb.nl
Mobile: +31 (0)6 28144776

2.2 Summary of Additional Information and Changes;

Any questions for clarification of this document can be submitted up until the time limit referred to in the timetable. For the submission of questions you should use TenderNed.

These questions will be anonymised and answered in a Summary of Additional Information and Changes. GVB will post the Summary of Additional Information and Changes on TenderNed and it will be an integral part of the final report.

2.3 Same information

All parties have access to the same information. The publication of this market consultation and the accompanying documentation – market consultation document, Summary of Additional Information and Changes and the final report - are posted on TenderNed. In case of a call for tender the above documents will be shared with all the candidates.

2.4 Language

The language used in this market consultation will be English.

2.5 Rights

No rights can be derived from the information provided in the context of this market consultation. All oral and written communication should be seen as general possibilities for the procurement procedure and the approach by GVB.

2.6 Information provided

As indicated, GVB can use the information obtained from this market consultation to put the tender for Folding Bellows on the market. Therefore, all answers sent in by market parties in the context of this market consultation become property of GVB. GVB may freely share this information. GVB would greatly appreciate it if all questions are answered.

2.7 Status information

The status of the information is indicative.



2.8 Reporting irregularities

If a participating market party believes that information and/or a provision in this market consultation document and/or other documents is incorrect, unlawful or otherwise irregular, then the participating market party must notify GVB in writing of the alleged inaccuracy, unlawfulness or irregularity within fifteen days after receipt of the relevant market consultation document.

If a participating market party fails to notify GVB in the required manner on time then this participating market party forfeits any right vis-à-vis GVB insofar as related to the alleged inaccuracy, unlawfulness or irregularity.

2.9 Priority of documents

This market consultation document will prevail in the event of conflict between the announcement of the market consultation and this market consultation document.

3 Current situation and Vision

3.1 Introduction

3.1.1 Vehicle



There are 151 one-way trams and 4 two-way trams of this type in Amsterdam. The Combino consists of 5 car parts and rests on three bogies. One non-powered bogie set under the middle car part and two powered bogies under the first and last car part. The Amsterdam Combino is 29,20 meters long and 2,40 meters wide.

3.1.2 Gangway Bellows (folding)

The gangway bellow (folding) is the flexible part of the vehicle enabling and absorbing all relative movements between the wagons and ensuring the passenger a safe and comfortable passageway from one wagon into another.

The folding bellows design and construction make it nearly maintenance free and guarantees a long service life.

3.2 Scope

Procurement of gangway bellows (folding) for approximately 155 Combino trams (4 bellows per tram), in total 620 bellows.

Procurement forecast for the bellows is:

Year	Amount
2020	200
2021	420

3.3 Impression Bellows

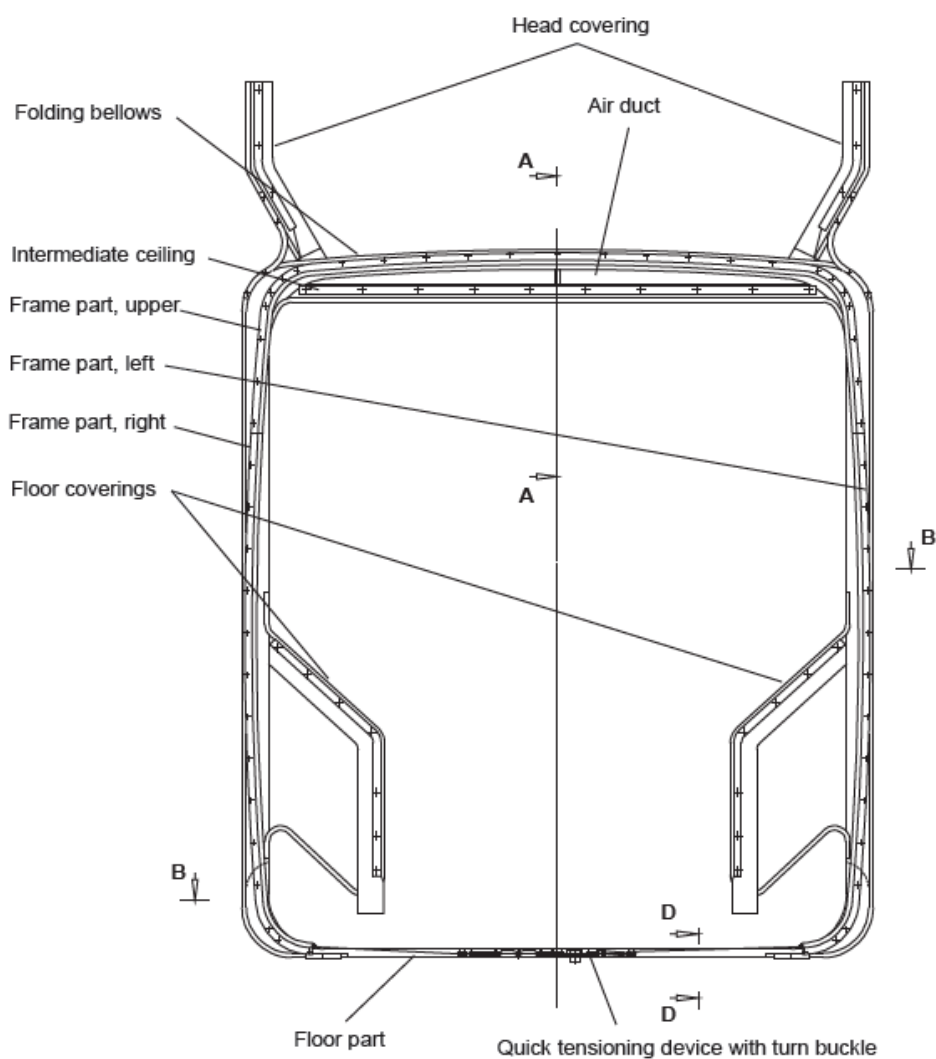


Figure 1; Folding bellows, complete

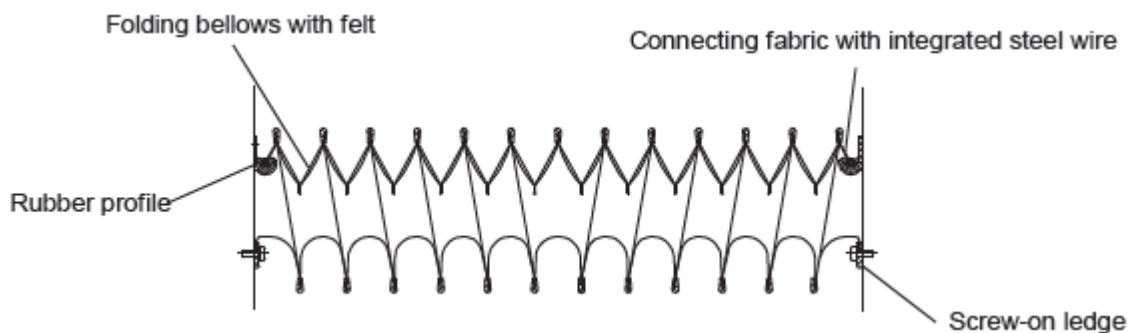


Figure 2; Roof area with intermediate ceiling (Section A-A)

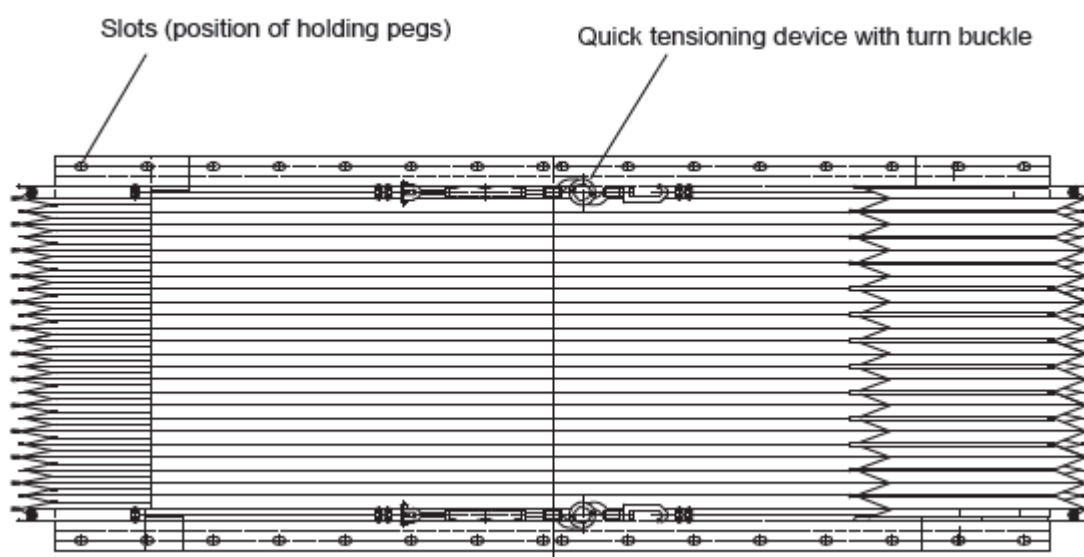


Figure 3; Floor area of folding bellows (Section B-B)

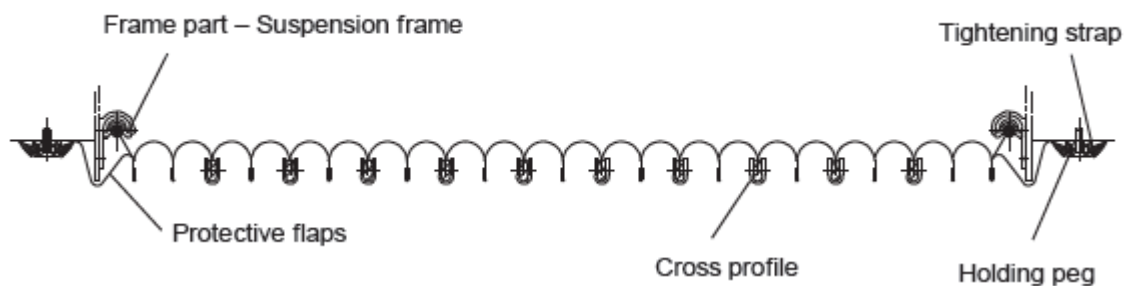


Figure 4; Floor part (Section D-D)

3.4 Technical Data

3.4.1 Weight

The maximum weight of the gangway bellows complete shall be $89.2 \text{ kg} \pm 10\%$.

3.4.2 Materials

- Folding bellows: Fabric (grey) and Light alloy profiles
- Floor covering, complete: Fabric (grey) and Light alloy profiles
- Frame parts: Light alloy profiles
- Floor part, complete: Fabric (grey) and Light alloy profiles
- Rubber profile: EPDM

3.4.3 Fire behaviour

The non-metallic materials used for the gangway bellows are tested according to the following standard: EN45545. The supplier shall certify and declare compliance to the standard.

3.4.4 Sound insulation

The sound insulation value of the bellows shall be at least $RW = 13 \text{ dB}$.

3.4.5 Operating temperature

The operating temperature is between -30°C to $+80^\circ\text{C}$ in case of normal environmental influences.

3.4.6 Service life

Based on experience a service life of at least 15 years is expected.

3.4.7 Determination of the maximum permissible movement combinations

Maximum permissible movement combinations:

- Rotation (Curve driving) $\pm 25^\circ$ plus $+4^\circ$ Pitching
- Rotation (Curve driving) $\pm 25^\circ$ plus -2° Pitching

3.4.8 General

- The gangway bellows shall comply to the laws en regulations applicable for (light) rail.
- The materials and products used shall be railcertified.

3.4.9 Interchangeability

- The bellows shall be interchangeable without any modificattions to the vehicles
- The bellows shall be interchangeable with the use of the current auxillary and tooling.

3.4.10 Design

The bellows shall functionaly and constructively be equal to the the current gangway bellows.

3.4.11 Drawings

The folding bellows are futher detailed in attachment 1.



4 Market consultation questions

Please answer the following questions. They refer to various matters. First of all, GVB would like to receive information about your company and the market, consisting of contact information and general information. In addition, GVB would like answers to the specific questions asked. Lastly, you will be offered the opportunity to submit any comments and/or suggestions. It is not obligatory to answer all questions, but complete responses will be highly appreciated. GVB believes that complete responses will help it correctly formulate the contract and programme of requirements for any tender. We do stress once again that the answers to the questions here below will not be used to select suppliers. The structured questionnaire is intended to select similar answers from different suppliers. Comments on the questions are very welcome and please suggest alternatives where you believe this is necessary.

Contact information		
1.	Official name of your organisation	
2.	Physical address of your organisation	
3.	Postal address of your organisation	
4.	Name of contact person for this RFI	
5.	Contact person's email	
6.	Contact person's telephone number	
7.	Registration number Chamber of Commerce	



General business and market information		
1.	Date of incorporation On what date was your company incorporated?	
2.	Number of employees How many employees does your company have broken down into direct and indirect staff?	
3.	Products, services What products and services does your company supply?	
4.	Quality Assurance Management System Does the company have a quality assurance management system? If so, according to what standard?	
5.	Certification of quality assurance management system Is the quality assurance management system certified? If so, by whom and how long is this valid?	
6.	Turnover What was the turnover generated by your company in the past five years on these types of systems	
7.	R&D What percentage of the turnover has your company invested in research and development in the past three years?	
8.	Development system Through which system does product and/or application development take place?	
9.	Costs and benefits Can you indicate for your references what the cost reduction was achieved for the bellows? Can you also indicate what benefits were realised?	



Specific questions		
10.	Offer analysis 1 What information / documents do you need to make a good offer?	
11.	Market analysis 1 What operational concept can your company offer in the field of rail vehicle folding bellows?	
12.	Market analysis 2 What is your market share in these kind of applications in your opinion?	
13.	Experience 1 How many of these kinds of systems have you provided in working order?	
14.	Experience 2 In how many situations did you have the role of integrator?	
15.	References 1 What references do you have in the field of the operational working folding bellows? - Which location (s); - Technical solutions; - Number and which types; - Partner (s) with whom was collaborated; - Customer overview.	
16.	Specifications 1 What are the specifications of the technical total solution used by you in regards to chapter 3.4 Technical Data?	
17.	Specifications 2 How will the bellow service life of 15 years be achieved?	
18.	Feasibility 1 How many weeks do you think you need to arrive at an offer?	
19.	Feasibility 2 How many months do you need from award to: - Design; - Testing; - Production; - Deliver.	



Any comments and/or suggestions	
No.	
1.	
2.	
3.	
4.	
5.	
6.	
7.	