

Replaces DVS 1617-00 edition

The DVS 1617 technical bulletin has been elaborated with the objective of uniformly governing the quality requirements for the subcontracting of welded rail vehicles and rail vehicle parts. The technical bulletin applies to users of DIN 6700. When DIN EN 15085 comes into force, this technical bulletin will be valid accordingly.

The customer and the contractor can conclude a contractual agreement about the validity of the technical bulletin.

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<b>1 Purpose</b>		
The purpose of this technical bulletin is to stipulate requirements with regard to the subcontracting for customers and subsuppliers in the terms of DIN 6700-1 to DIN 6700-6 in conjunction with DVS 1622 and its supplements (only called DIN 6700-1 to -6).		
The stipulations relate to the quality requirements and the operational suitability which result from the scope of supply.		
<b>2 References to standards and technical codes</b>		
DIN 25003	Railway applications – System of the rail vehicles – Overview, designations and definitions	
DIN 27201-6	Condition of the railway vehicles – Fundamentals and fabrication technologies – Part 6: Welding	
DIN 6700-1	Welding of rail vehicles and rail vehicle parts – Part 1: Basic concepts and basic rules	
DIN 6700-2	Welding of rail vehicles and rail vehicle parts – Part 2: Component classes and recognition of the welding plants; conformity assessment	
DIN 6700-3	Welding of rail vehicles and rail vehicle parts – Part 3: Design specifications	
DIN 6700-4	Welding of rail vehicles and rail vehicle parts – Part 4: Execution rules	
	<b>3 Participants in the subcontracting</b>	
	In the terms of this technical bulletin, the following parties participate in the subcontracting of welded rail vehicles and rail vehicle parts:	
	<b>3.1 Customers</b>	
	In the terms of this technical bulletin, customers are companies which place an order for the design, purchase, manufacture or repair of welded rail vehicles or components.	

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DVS, Technical Committee, Working Group "Welding in Rail Vehicle Construction"

**3.2 Contractors**

In the terms of this technical bulletin, contractors are welding plants which have received an order for the design, purchase, manufacture or repair of welded rail vehicles or components.

**3.3 Subsuppliers**

In the terms of this technical bulletin, subsuppliers are welding plants to which an order for the design, purchase, manufacture or repair of welded rail vehicles or components is subcontracted. In this case, the contractor becomes the customer and the subsupplier becomes the contractor. In the event of any further subcontracting, this subsupplier becomes the customer (see Fig. 1).

For components in Component Classes C 1 and C 2 according to DIN 6700-2, all the subsuppliers must be named to the customer, with specifications of the type, scope and qualification in compliance with DIN 6700-2.

Contractual agreements must be made about the consent to the subcontracting and about the naming of subsuppliers for further component classes.

**4 Tasks of the customer**

**4.1 Ordering specifications**

The customer must not only describe the services for the product to be ordered but also agree upon the application of DIN 6700 as a set of rules which is also valid in the case of orders for the new construction, conversion or repair of welded rail vehicles and rail vehicle parts. For the repair of railway vehicles according to DIN 25003, an additional agreement must be made with regard to DIN 27201-6.

Those specifications about welding technology which are required for the order (e.g. sets of rules which is also valid) and the checking of the welding technology according to DVS 1620 must be

stipulated with the collaboration of the responsible welding supervisor or a representative with equal authorisation (called RWS below).

With the order, the customer must stipulate the type and scope of the documentation. Remarks are made in DVS 1620.

**4.2 Checking of the subsupplier**

Before the order is awarded, the customer must convince itself of the sufficient qualification of the subsupplier according to DIN 6700-2 and its suitability for the service to be ordered. The responsible welding supervisor must be involved in the checking.

The following subject matter, in relation to the service to be ordered, must be checked:

- certificate for the welding according to DIN 6700-2, the main focal points are:
  - component class
  - area of application
  - area of validity (welding procedures, materials and dimensions)
  - period of validity
- personnel resources, the main focal points are:
  - welding supervisor
  - welder/operator
  - testing personnel
- fabrication, the main focal points are:
  - WPS and proof of the WPS
  - work specimens
  - welding machines, devices, etc.
  - welding jigs
  - devices for field testing
  - miscellaneous facilities (e.g. storage of the welding filler materials and the materials)

The checking must be documented.

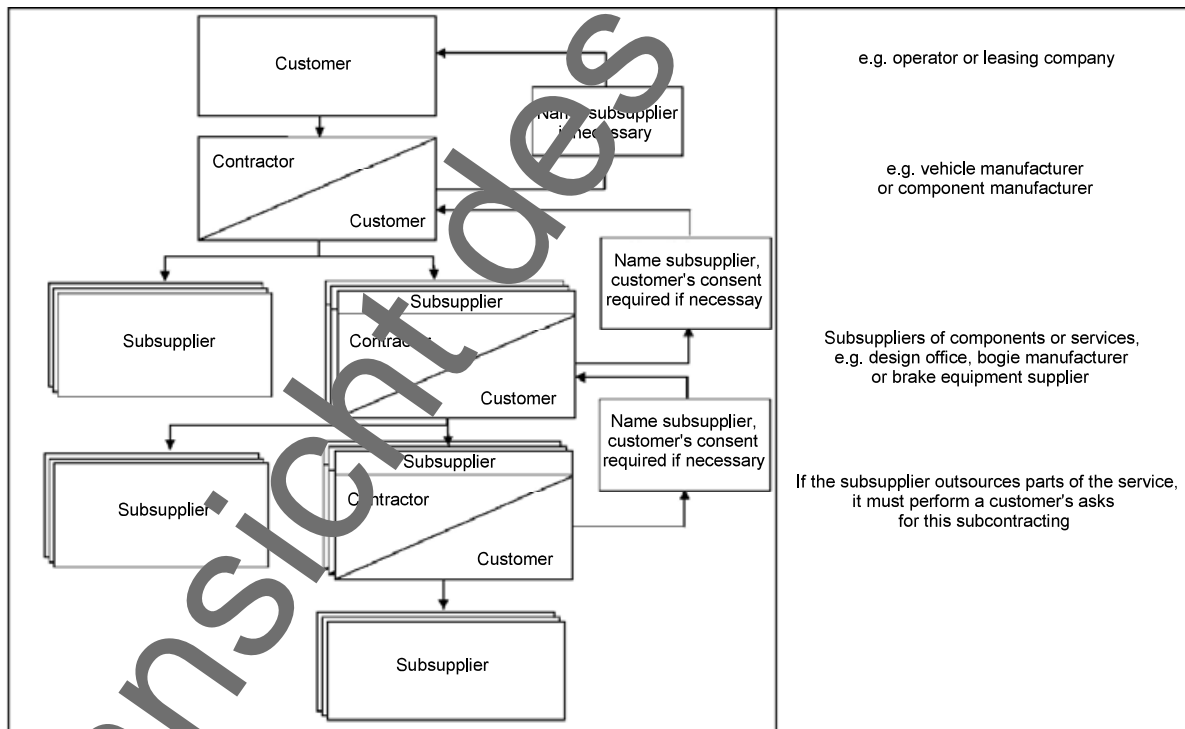


Figure 1 Representation of the links between the customer and the subsupplier.