

	<h2>Technical Guideline</h2>	Number	03e
Transport & Installation	<h2>Installation</h2>	Status	10.8.13
<p>This Technical Guideline is valid for all components or items which will be installed at the FAIR facility.</p> <p>Even if the complete logistic chain from design, construction, manufacturing and transport to installation at the FAIR facility is covered by the supplier of a component, the following constraints have to be taken into account:</p> <ol style="list-style-type: none"> 1. The supplier is in charge of the functionality and compatibility of the component delivered until the completion of installation and commissioning. Any additional costs created by necessary technical changes to the component to attain functionality and compatibility have to be covered by the supplier. The observance of German and EU occupation safety laws (safety at work) has to be strictly ensured. The supplier is liable to provide evidence of the safety instructions and the training of the personal engaged by him to realize the installation. 2. The following Technical guideline has to be observed: F-TG-T-01e_Transport_v1.1 3. There are three installation scenarios conceivable: <ul style="list-style-type: none"> 3.1: Complete installation of a component by the supplier 3.2: Installation by the supplier with installation support by FAIR 3.3: Complete installation of a delivered component by FAIR <p>3.1 Complete installation by supplier The supplier has to announce the installation at latest 40 working days prior to the date of installation, including:</p> <ol style="list-style-type: none"> 3.1.1 Official statement that no support (infrastructure, manpower) by FAIR is demanded, 3.1.2 Time schedule / project plan (to be coordinated with FAIR) 3.1.3 Report on quality control procedures and planning (including all forms according FAIR General Specifications) <p>FAIR will provide the following informations :</p> <ol style="list-style-type: none"> 3.1.4 Place / location of installation (building, construction site, ...) 3.1.5 Time slot for installation at the facility, 3.1.6 Way of transport to the place of installation (building, construction site,.....), 			
Prepared by:	H.Reich-Sprenger	Doc. Name	F-TG-T-03e_Installation_v1.1
Date:	10.8.13	Version:	1.1 Page 1 of 3

	<h2>Technical Guideline</h2>	Number	03e
Transport & Installation	<h2>Installation</h2>	Status	10.8.13
<p>3.2 Installation by the supplier with installation support by FAIR</p> <p>3.2.1 The supplier has to announce the installation at latest 60 working days prior to the date of installation, including:</p> <p>3.2.1.1 Statement if support (infrastructure, manpower) by FAIR is demanded,</p> <p>3.2.1.2 In case of a "YES": list of tools, infrastructure, manpower request (costs have to be covered by supplier)</p> <p>3.2.1.3 Time schedule / project plan (to be coordinated with FAIR)</p> <p>3.2.1.4 Report on quality control procedures and planning (including all forms according to FAIR General Specifications)</p> <p>3.2.2 FAIR will confirm or refuse the application and provide the following informations :</p> <p>3.2.2.1 Place / location of installation (building, construction site, ...)</p> <p>3.2.2.2 Time slot for installation at the facility,</p> <p>3.2.2.3 Way of transport to the place of installation (building, construction site,.....),</p> <p>3.2.2.4 FAIR infrastructure which can be provided (tools, manpower),</p> <p>3.2.2.5 Quotation for the costs to be covered by the supplier.</p> <p>3.3 Complete installation of a delivered component by FAIR:</p> <p>3.3.1 The following documents have to be delivered to FAIR at latest 30 working days prior to the scheduled date of delivery:</p> <p>3.3.1.1 Official enquiry by the supplier about the installation of a component by FAIR,</p> <p>3.3.1.2 Technical description of the component, including complete set of technical drawings according to FAIR technical drawing standards (technical drawings shall show a valid FAIR release note),</p> <p>3.3.1.3 Installation concept (how the component can be transported, installed, adjusted),</p> <p>3.3.1.4 Handling and installation instructions, including safety instructions,</p> <p>3.3.1.5 Time schedule / project plan (transport, installation, commissioning),</p>			
Prepared by:	H.Reich-Sprenger	Doc. Name	F-TG-T-03e_Installation_v1.1
Date:	10.8.13	Version:	1.1 Page 2 of 3

	<h2>Technical Guideline</h2>	Number	03e
Transport & Installation	<h2>Installation</h2>	Status	10.8.13
<p>3.3.1.6 Confirmed (officially signed by FAIR) certificate that the component has undergone the FAIR collision check procedure (ability of installation, ways of transport, infrastructure, buildings),</p> <p>3.3.2 If special installation tools, handling tools, or other equipment are needed:</p> <p>3.3.2.1 The tool / equipment has to be handed over to FAIR together with the component to be installed,</p> <p>3.3.2.2 Each tool or equipment handed over to FAIR has to be certified and labeled with reference to the special application and working safety according to German and EU law (e.g. TÜV certificate), including instructions for use and safety,</p> <p>3.3.3 Accessories to be delivered by the supplier to FAIR together with the component:</p> <p>3.3.3.1 Assembly parts: complete set of screws, washers, screw-nuts, gaskets,</p> <p>3.3.3.2 Mechanical interfaces, electric interfaces,</p> <p>3.3.4 FAIR will confirm or refuse the application and provide the following informations :</p> <p>3.3.4.1 Place of installation (hall, construction site, etc.),</p> <p>3.3.4.2 Time slot for installation at the facility,</p> <p>3.3.4.3 Way of transport to the place of installation (building, construction site),</p> <p>3.3.4.4 FAIR infrastructure which can be provided (tools, manpower),</p> <p>3.3.4.5 Additional tools or equipment to be provided by the supplier,</p> <p>3.3.4.6 Quotation for the costs to be covered by the supplier,</p> <p>3.3.4.7 In case of refusal by FAIR: list of missing information, documents,...</p>			
Prepared by:	H.Reich-Sprenger	Doc. Name	F-TG-T-03e_Installation_v1.1
Date:	10.8.13	Version:	1.1 Page 3 of 3