TAGGING REQUIREMENTS

OSC-SB-O-SD-00004

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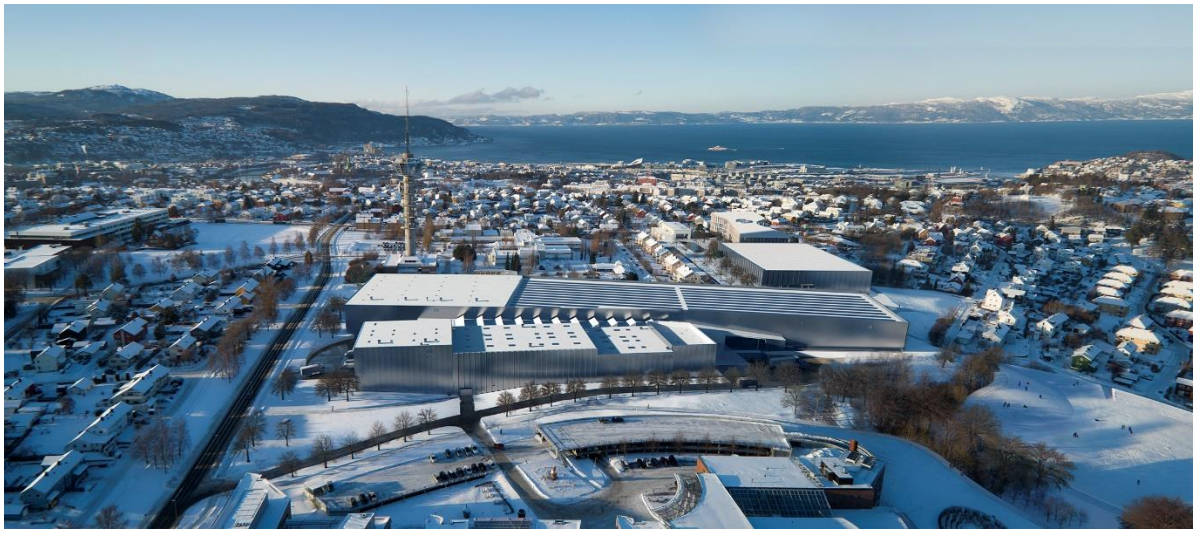

1107304 OCEAN SPACE CENTRE

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Kontrakt	K202
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PROJECT OCEAN SPACE CENTRE

TAGGING REQUIREMENTS

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1 Table of Content

1 Introduction

1.1 Objectives

The Ocean Space Centre will be located at Tyholt in Trondheim, and the laboratories will consist of wet laboratories like Ocean basin laboratory, Sea towing basin laboratory and Flume tank, as well as dry laboratories like construction- and machinery laboratory. The wet laboratories will be utilized to test fixed and floating installations and constructions in various wave, current and wind conditions.

The dry laboratories shall facilitate scientific development of technology and concepts for energy- and propulsion systems onboard ships and other marine vessels and fish farming installations.

The existing towing tank in Sintef/NTNU premises at Tyholt in Trondheim shall be shortened down to allow space for the new building for the new Ocean Basin as well as the Seakeeping and Maneuvering Basin. The existing towing tank will later be taken out of service the new Ocean Basin and Seakeeping and Maneuvering Basin are completed and taken into use. The shortened towing tank shall be equipped with new state of the art wave generation units including electrical motor drives as well as local control system. Scope of delivery shall include detailed engineering, manufacturing, transportation and delivery, installation at site, mechanical completion and commissioning.

The purpose of this document is to specify requirements for the tagging of the equipment and system deliveries to this scope of work

1.2 Definitions and abbreviations

Definitions:

Company:	Statsbygg, which is the Norwegian government's key advisor in construction and property affairs, building commissioner, property manager and property developer.
Contractor:	Means the party named as such in the Form of Agreement

Subcontractor:	Means a Third Party who has entered into an agreement with the Contractor for the supply of goods or services in connection with the Work.
End-user:	Sintef Ocean and NTNU
Work:	Means all work which Contractor shall perform or cause to be performed in accordance with the Contract
Company Materials:	Means equipment, systems, and/or materials supplied by Company and which are to be incorporated in the Contract Object.

Abbreviations:

OSC	-	Ocean Space Centre
TFM	-	Tverrfaglig merkesystem/Interdisiplinary tagging system
NTNU	-	Norges Tekniske og Naturvitenskapelige Universitet (University, End User)
Sintef	-	Research Organization, (End User)

1.3 Design life

The design life for the tagging systems must exceed the expected lifetime of the equipment that is being tagged, and in no circumstance be shorter than 5 years in the environment the tag is installed or can be expected to endure.

1.4 Rules and Regulations

All tagging shall comply with the 2020 version of the documents NS3457-7, NS3457-8, NS3457-9, Veileder NS3457-7 and OSC-SB-O-SD00001 TFM-amendment documents also enclosed. NS3457 is only available in Norwegian language.

1.4.1 Deviations from NS3457

The location code must be made up of 4 digits. The first digit is the location code used by NTNU to identify campuses. The remaining 3 digits shall follow the local campus building codes.

2 Main requirements

All systems, system parts, machines, cables etc shall be tagged according to 1.4. The tags must be mounted in such manner, that changing covers or other easily removable parts does not remove or damage the tags.

How the tags are to be presented on the components must be agreed upon by the Company before tagging starts.

2.1 Accepted tag identification labels

All tag identification labels delivered by the Contractor must be suitable for the environment in which they are mounted. The following types of tag identification labels are accepted by the Company:

“Brady” and similar tagging systems may be used in dry environments such as offices, public areas and on cables in cabinets and technical rooms

Engraved labels in PVC may be used in workshops, equipment in technical rooms etc

Engraved labels in acidproof stainless steel is to be used to tag equipment mounted in all hostile environments. Such as in or near basins, chemicals etc

Laser-engraving tagging may be used in all environments.

Any other means of tagging must be approved by the Company before execution.

2.2 General requirements

Tags shall comply with the requirement put forth in NS3457-9. All tagging must be identical in all drawings, schematics, BIM-models, tag-database (dRofus) and on the equipment.

3 References

- NS3457-7, 2020 (In Norwegian language)
- NS3457-8, 2020 (In Norwegian language)
- NS3457-9, 2020 (In Norwegian language)
- Veileder til NS3457-7, 2020 (In Norwegian language)
- OSC-SB-O-SD-00002 TFM-amendment