

Project Title: **Pre-normative research on resistance to mechanical impact of composite overwrapped pressure vessels**

Project acronym: **HyFactor**

Instrument: **171 - Article 171 of the Treaty**

Thematic Priority: **SP1-JTI-FCH.2013.5.6**

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# HYFACTOR

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<b>DELIVERABLE ID</b>	<b>D4.4</b>
<b>Deliverable name</b>	<b>AE TESTING PROTOCOL</b>
<b>Lead beneficiary</b>	Institut de Soudure
<b>Contributors</b>	

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## 1. Executive summary

### 1.1. Description of the deliverable content and purpose

This deliverable is the third of the WP4 of HYPACTOR project.

In WP4, periodic inspection of COPV by Non Destructive Testing (NDT) methods is assessed. Two NDT methods are studied as they are the most mature, already supported in standards (visual inspection) or in development (Acoustic Emission Testing).

This deliverable provides the protocols and guidelines to Acoustic Emission Testing apply to COPV.

### 1.2. Deviation from objectives, corrective action

N/A

### 1.3. Technical progress

N/A

### 1.4. Impact of the results

N/A

### 1.5. Dissemination activities

#### 1.5.1. Publishable summary of the deliverable

The deliverable D4.4 gives guidelines for the use of Acoustic Emission testing on Hypactor pressure vessel to collect AE data and work after then on pass-fail criteria.

#### 1.5.2. Dissemination activities

Confidential deliverable.