

Title:

Numerical model of a generic Vehicle of category N1

Contracting authority:

[European Commission, Joint Research Centre - Ispra \(JRC-IPR\)](#)

Start date:

01/06/2022

Deadline to express interest:

17/06/2022

Status:

Open

Tender

**reference
number**

JRC/IPR/2022/LVP/1549-ExA

Title

Numerical model of a generic Vehicle of category N1

Description

The contractor shall create a numerical model of a generic vehicle of category N2A (7200 kg)/N3D (12000 kg) suitable for explicit numerical analysis of its impact against security barriers according to IWA 14-1 standard. The model will be designed for simulating the impact on fixed and mobile barriers designed to prevent potentially hostile vehicular access to a site according to the above standard. The model should focus on frontal impacts against various types of barriers. The model should be detailed enough to cover all relevant phenomena and vehicle performance during the impact (e.g. bringing to a halt, flipping over).

Contract type

Services

**Procedure
type**

Planned negotiated procedure for middle/low value contracts

Status

Open

**Published on
TED**



**Award
method**

Best price-quality ratio

Main CPV

73100000