PoC Proposal Use Case

Improving safety against risk of objects falling from height

- As an use case, **the work at heights is considered performed on a structure like a pole**. Pole or pylon can be very different in shape, location, material (wood, concrete or metallic material in case of a pole).
- As an order of magnitude for heights values: from 6 m to 25 m in case of a pole, and to 30 m in case of a pylon.
- There are different ways the point of work can be reached depending on the use of a machinery (e.g. a **bucket truck**, a **mobile lift platform**) or an equipment (e.g. a **ladder** or **crampons)**. As a use case scenario, **flexibility** with regard to these working possibilities.
- **Anything is handled by an operator at heights theoretically could fall**. Protection of the underlying vertical projection area ("**impact area**") under the point where the work is performed at heights **should be ensured**. An extension up to 2 m can be considered.
- **Variable weight of possible falling objects**: from pliers or screwdrivers to equipment like sticks, earthing equipment (a few kilos), a press (2-4 kg) or equipment for cable tensioner like a precortir (up to 10 kg).
- **Equipment may need to be transferred up and down** when the operator is at the top. Usually it depends on the equipment weight. Different ways for transferring: a service rope connected to the operator's belt or a rope+pulley system.