



## Safety recommendation no. 454

<b>Date of the publication</b>	27.08.2013
<b>Number of the final report</b>	2148
<b>Safety deficit</b>	<p>During rescue activities it is possible for the rocket to be set off unintentionally thereby firing the parachute from the wreckage in a dangerous manner. Blocking the release handle with a safety bolt is inadequate as it cannot be excluded that the release cable could be under tension, prearming the firing unit firing pin. Sudden relaxing of the cable could cause the rocket to fire. Splitting the release cable could be dangerous. The same applies when servicing and repairing BPS (ballistic parachute system) -equipped aircraft as it is possible that a rocket could be set off by accident.</p>
<b>Safety recommendation</b>	<p>Blocking the release cable:</p> <p>One possibility would be to block the release cable as close to the igniter unit as possible. This could be done using crimp pliers, for example, crimping the release cable to the cable sheath and so blocking it.</p> <p>Safety cover over rocket:</p> <p>Investigations should be made to see if a safety cover can be made, from a strong shielding material such as Kevlar, for example, which could then be put over the rocket before starting to work on an aircraft or wreckage. This would work rather like body armour: if the rocket went off accidentally, the safety cover would contain it.</p>
<b>Addressees</b>	BAZL Bundesamt für Zivilluftfahrt
<b>Stage of the implementation</b>	<p>Awaiting response. On the Civil Aviation Safety Officer (CASO) website, the FOCA takes the following position in relation to the present safety recommendation:</p> <p>In order to mitigate the safety deficits, a working group was established in the FOCA, consisting of colleagues from various safety departments. This working group reformulated the detailed and comprehensive safety recommendations into practically orientated and usable working packages. These cover the following areas:</p> <ul style="list-style-type: none"><li>• Minimising risk to third parties, in particular for rescue forces by means of safety barriers</li><li>• Exchange of information</li><li>• Communication</li></ul>
<b>Investigation report concerning the safety recommendation</b>	<u>Rapport final</u>

Schlussbericht  
Final report