

# CTIF NEWS

INTERNATIONAL ASSOCIATION OF FIRE & RESCUE



## Extra follow-up

### Can we be better prepared?

CTIF Extrication & New Technology has been working intensely during the last years with the special problems connected to many of the new vehicle types. Many of these problems are related to the fuels and other Hazardous materials. Therefore the work is being done together with the CTIF Hazmat Commission. Last year CTIF awarded two French colleagues for their research and development of a Best Practice Procedure for this type of events.

**A training manual with intervention procedures** can be found at:

<http://www.ctif.org/training-and-tools> “**Emergency response on vehicles**”

You can also find a tool with Rescue Sheets for more than 1500 vehicles.



CTIF is very active in an ISO project to standardize the information to Fire and Rescue Services and other emergency responders. The project contains standardized; pictograms and markings, the format of the rescue sheets and a standardized Emergency Response Guidelines.

Detailed information: <http://www.ctif.org/commissions/extrication-new-technology>

### Garbage truck explosion in Indianapolis 27 January 2015



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### Joseph Krebsbach, Deputy Chief, INDIANAPOLIS FIRE DEPARTMENT

The first arriving unit, Engine Co. 6, received information the fire involved compressed gas cylinders and requested additional resources at 05:45 hours.

An elevated water stream was deployed to cool the tanks and contain the fire.

The tank explosion occurred at 06:06 hours.

The resulting debris field extended approximately three-quarter miles (1.2 kilometers) from the explosion site, with one CNG cylinder landing in front of a nearby school.

Although firefighters were struck by debris, the only injury noted was a muscle strain.

The vehicle involved sustained significant damage, with only minor damage to nearby structures.

**Weather conditions** at the time of this incident was cloudy, an air temperature of 20° F (-6° C) and a trace amount of snow. Wind was approximately 5 mph (8 kph) from the NNE.



**Findings, (extract):** From a tactical perspective, if a vehicle is known to be equipped with CNG cylinders and is well involved with fire, firefighters should maintain a safe perimeter and not approach the vehicle, unless there is a significant life hazard, i.e. let the vehicle burn. A minimum evacuation radius of 300 feet (90 meters) should be maintained in such incident types. As experienced in this event, a tank landed approximately

4,000 feet (1,200 meters) away. Do not approach from either the front or the side of the vehicle. If necessary, approach a CNG vehicle fire from a 45° angle.

If the PRD(s) have activated, do not apply water spray, but rather allow the fire to burn.

Full report at the CTIF website <http://www.ctif.org/library-item/indianapolis-gas-cylinder-explosion>

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### Gas propelled car exploded in Kramfors, Sweden 16/11 2016



The explosion blew away the roof of the car and it landed approx. 1 meter from one firefighter

At 19.20 the High-Coast Rescue Service were alerted to a car fire in Ry, in the municipality region of Kramfors.

The car had started to burn and then it exploded, it was a gas-propelled car. We took a defensive position and allowed it to burn out before finishing the intervention. It was parked in a quite remote position and there was no risk for fire spread.

We were lucky and nobody was injured, Mikael Lundberg, Officer on Duty at the High Coast Rescue Service.



### Gas-propelled bus exploded in Gothenburg, Sweden 2016-07-12



A gas propelled bus started burning after passing through a tunnel in Gothenburg. It had 15 passengers on board that managed to get off the bus. During the intervention of the Rescue Service, the bus exploded. Two firefighters were slightly injured.

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### Garbage truck exploded in Sweden 2016-09-22



At ten o'clock in the evening a garbage truck was on its way to the garage after having been refueled with biogas. One gas container exploded. The persons in the cab were shocked, but nobody was injured.

*The wreck was towed away the following morning. Photo: Robin Persson/SVT*

### Garbage truck exploded in New Jersey, USA 2016-01-26



HAMILTON -- A garbage truck exploded after catching fire on a street in Hamilton and blasted a hole in the front of a nearby house, though no injuries were immediately reported.

One of the truck's four natural gas tanks exploded in the fire and rocketed into the front of Doris Pattley's home on Fitzrandolph Street, just off Lalor Street, officials said. Hamilton firefighters Leonard Pope and Steve Lykes had just pulled Pattley from the rear of her home when the truck exploded, officials said. The explosion shot debris into a second home across from Pattley's, tearing a hole in the roof.

Live video from the incident:

<http://www.phillyfirenews.com/2016/01/26/14992/>

CTIF wants to assist in raising the awareness and knowledge of the special risks connected to many "New vehicles"

*Tore Eriksson, CTIF President*