



To	:	All ASNs, FIA Technical Department, FIA Sporting Departments	Ref.	:	FIASDH-18-001
From	:	Yvan DEVIGNE			
Date	:	04 January 2018	Pages	:	1
Subject	:	New FIA Standard			

**Introduction of a new FIA Standard 8860-2018 "Advanced Helmet"**

Dear Sir or Madam,

We hereby inform you that the FIA has published a new FIA standard for advanced helmets which can be found on the FIA website at the following link [https://www.fia.com/sites/default/files/8860-2018\\_advanced\\_helmet\\_0.pdf](https://www.fia.com/sites/default/files/8860-2018_advanced_helmet_0.pdf).

The new FIA standard 8860-2018 is the new top-end helmet standard, which is intended to be the safest helmet standard in the world for motor sport. It offers several improvements in relation to the FIA Standard 8860-2010. The main improvements brought by this standard are described below:

- 1/ Advanced Ballistic Protection: a unique advanced ballistic test has been developed, based on military ballistic specifications. Protection is provided against projectiles weighing up to 225 grams and travelling at 250 kph.
- 2/ Energy absorption increase of 12% and 22% for large helmet sizes.
- 3/ Introduction of double and triple impact tests in the same site.
- 4/ Extended area of protection: a new test in lower helmet zones has been introduced to improve compatibility with modern cars which provide head support.
- 5/ New design requirement for the chin strap to aid extrications teams.
- 6/ New low velocity test to prevent "excessive" optimisation at higher impact velocities.

The new FIA standard will become mandatory following the below phase-in:

- From 01.01.2018, acceptable in all FIA championships.
- From 01.01.2019, compulsory in the following championships:
  - o Formula One
  - o Formula 2
  - o WRC for priority 1 drivers.
- From 2020 in the WEC (2020-2021 season) and Formula E (Season 6).

We remain at your disposal for any further information you may require.

Yours faithfully,  
Yvan DEVIGNE