

	<p><b>FIE – Commission SEMI</b>  Fédération Internationale d'Escrime  Commission de la Signalisation Electrique, du Matériel et des Installations</p> <p>Fax 00351 21 4721240  Mobile Phone/Téléphone portable 00351 96 5092091  url : <a href="http://www.fie.ch">www.fie.ch</a> ; e-mail <a href="mailto:jecdossantos@gmail.com">jecdossantos@gmail.com</a></p>
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O/REF : HA20100217 SEMI FIE apparatus FMA21 allstar/Uhlmann Date Lisboa, 17FEN2010  
Subject : Certificate of Approval / Homologation of the apparatus FMA21 allstar/Uhlmann

To : Mr. Frank Messemer  
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Dear Mr. Frank Messemer

After testing the apparatus FMA21 fencing signaling unit the FIE's SEMI Commission concluded that the apparatus is according wrh the FIE rules, and can be used for the FIE competitions, and therefore you are authorized to use the FIE label in it. Every unit of this model must be in accordance with the tested unit, any difference to the tested unit should be communicated to the SEMI and approved by the SEMI before being incorporated in the production.

Some characteristics of the FMA021

The FMA21 fencing signaling unit has been developed and will be produced and sold by allstar and Uhlmann.

The FMA21 is an apparatus for all three weapons (sabre, foil and épée).

It incorporates an imbedded industrial computer and a 22" touch screen display.

With its multiple interfaces (RS232, RS422, RS485, Ethernet, USB, VGA) it offers a variety of connectivity with peripheral devices.

All relevant information is clearly shown on the screen.

In connection with a compatible result management system it can even show the names, flags and photos of the fencers. Software and firmware updates and upgrades can easily be done by using the USB interface without having to change a chip or any other piece of hardware.

Some new features are the following:

- \* the remaining number of video requests can be shown on the FMA21 screen
- \* the last four sets of time and score are memorized and can be reset
- \* the remaining time can easily be set to the second (if for example the time has been reset by accident)
- \* up to 15 red and the black card can be signaled
- \* in connection with a LAN network a request for medical or technical help can be sent from the piste to the DT
- \* in connection with a compatible result management system the names, flags and photos of the fencers can be shown.
- \* software and firmware updates and upgrades can easily be done by using the USB interface
- \* three modes for wireless fencing (STM wireless 2000) and others.



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President de la commission de la SEMI  
IFF / FIE Fédération Internationale d'Escrime -  
SEMI's Commission President  
SEMI = Signalisation Electrique du Matériel et des  
Installations