Glasfaser-Flugzeug-Service GmbH Hansjörg Streifeneder Hofener Weg 61 72582 Grabenstetten	Technical Note TN 303-27	Kennblatt EASA.A.241

Subject:	Optional modification of the wing tip to operate the sailplane with winglets developed by Glasfaser-Flugzeug-Service GmbH
Affected:	„Mosquito“,all S/N „Mosquito b“,all S/N
Urgency:	none, conversion optional
Reason:	To improve the aerodynamics on the wing tip and the flight handling with higher wing loading the tip can be modified to fly either with the original wing tip or Winglets After the installation of the Winglets the Flight and Service manual has to be extended. This TN enables the owners of the above-mentioned aircraft to have winglets attached to their aircraft.
Action:	1.) Installation of the winglets according to the assembly instruction 2.) The weight and static moment of the ailerons have to be checked according to manual pages and if necessary to be adjusted as well as documented 3.) Amendment of the flight manual with the pages Pages 4, 6a, 22a ,37a and 50a
Documents and material	Winglet kit include a pair winglet with connection-rip, wing connection-rip, optional wing-tip-rip as per drawings No. 304-58-10 and 304-58-11, all with identification plates, instruction and drawing 304-58-12. Amendment for flight and service manual 6a, 22a, 37a and 50a Only original winglets that have component numbers and a Form One issued by the company Glasfaser-Flugzeug-Service may be installed.
Mass:	The increase of the weight per wing is approximately 1 kg.
CG:	After the installation a new weight and balance report has to be made.

Note:	1)	The winglet kit must be from the company Glasfaser-Flugzeug-Service GmbH Hofener Weg 61 D-72582 Grabenstetten be obtained
	2)	The installation of the winglets must be done by Glasfaser-Flugzeug-Service GmbH Hofener Weg 61 D-72582 Grabenstetten or an authorized company be performed
	3)	The measures must be approved by certifying personnel in accordance with EUVO 1321/2014 and certified in the aircraft's maintenance documents and logbook.
Certification:		Structural report from 11.06.2000 von Renner Assessment of flutter stability for winglet on sailplanes Glasflügel Mosquito von J.Schwochow v 16.04.2024

Displayed: Glasfaser-Flugzeug-Service C. Streifeneder	EASA-approved: The technical content of this Technical Note has been approved by the EASA under the date of .15th May 2024 Approval number... ....10084494..... The translation into English has been done by best knowledge and judgement.