

SWEDISH VOLUNTEER AIR CORPS

This document is a translation made by SHK of the original response in Swedish to the safety recommendation. In case of discrepancies between this translation and the Swedish original text, the Swedish text shall prevail in the interpretation of the response.

Västerås
16/04/2019

Reference L-22/18
SHK Final report RL 2019:02

Measures taken by the Swedish Volunteer Air Corps (FFK) in response to the safety recommendations in the final report RL 2019:02 – Accident at Järkö, Blekinge County on 10 March 2018 involving the aircraft SE-MCL.

In the final report RL 2019:02, FFK is recommended to:

- *In addition to already planned measures, establish routines for the continuous monitoring of how the procedures for fuel planning and oversight are complied with by the pilots. See section 2.4.3. (RL 2019:02 R1)*

The Swedish Volunteer Air Corps (FFK) has been in continuous contact with SHK regarding different measures taken in the operation both before and after the final report had been published.

The following programme has been established as measures for increased compliance with FFK's regulations regarding fuel planning and monitoring thereof:

- Introduction of a flight safety theme for 2019 – *Fuel planning and monitoring.*
- Article in the FFK member magazine FFK-Nytt no. 1 – February 2019. Page 28–30 contains a presentation of this year's flight safety theme regarding fuel management and monitoring. The member magazine goes out to all paying members of FFK as well as several government agencies and organisations.
- New version (24/03/2019 Ver. 1.12) of FFK's operational flight plan. Enclosed with this report.
 - The operational flight plan has been extended with two fields in the document header: *Check of the aircraft FFK status and completion of daily inspection.*
 - The fuel calculation has been clarified with a route reserve of 10% and a 45-min fuel reserve.
- FFK continues to have a 10% route reserve and a 45-minute fuel reserve. (See requirements according to EASA, NCO.OP.125 and SPO.OP.130).
- Fuel management and monitoring are included as themes in FFK's control flights, known as FFK-PFT. These are carried out with FI or CRI appointed by FFK.
- FFK's 23 regional units are encouraged to organise information evenings in the spring of 2019 for all the members in their county on the theme of fuel management and monitoring.
- Increased supervision of compliance with production and storage of operational flight plans in FFK's regional units.

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Other measures within FFK that are of significance to fuel management and monitoring:

- For some time, FFK has been going through a transition from an earlier aerial work permit to *Flight Safety Conditions* in accordance with TSL 2018-3159. In conjunction with FFK transitioning into a brand new management structure with an increased number of nominated persons (NPs), FFK is also introducing a new manual structure in accordance with ORO.MLR (in applicable parts).
- In FFK's new *Organisation handbook*, OHB Chapter 4 (document, manual and record management system), there are requirements regarding the storage time for various documents, such as operational flight plans. These requirements will also be described in the upcoming OM-A (FFK's internal Operations Manual).
- During 2019, FFK is introducing a new tool in the form of a *Safety Management Manual* (SMM) to conduct more proactive flight safety efforts.
- FFK has long been conducting quality assurance under the leadership of the FFK quality manager (QM). The new management structure introduces two brand new roles in addition to the QM: a safety manager (SM) and a compliance monitoring manager (CMM). The latter plays an active role in producing an audit plan and in carrying out regular audits of FFK's operational activities.

[Signature]

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FFK SM/CMM
FFK Quality Manager
FFK Corps

SWEDISH VOLUNTEER AIR CORPS	DATE	CALL SIGN	AIRCRAFT TYPE	Departure from	Block in	Landing
	Commander/FFK status	Scout/FFK status	NOTAM check	Landing at	Block out	Takeoff
	Aircraft status FFK	Daily inspection	Weather/		Block time	Flying time
OPERATIONAL FLIGHT PLAN						

	W/v	TAS	TT	wca	TH	var	MH	dev	CH	Alt/ FL	STRETCH	VOR/ NDB	GS	DISTANCE		TIME		NOTES
														INT	ACC	INT	ACC	
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
STOL- PERFORMANCE/WEATHER INFO				RADIO/NAV		FREQUENCY, MHz		FUEL			WEIGHT & BALANCE							
T/O TO 50 FT ACC. POH			m								Time	Litres		Weight	Arm	Moment		
T/O INCL CORRECTIONS			m								Stretch			SEW				
T/O INCL TSFS ADD			m								Cont. + 10%			Front				
AVAILABLE TAKEOFF DIST.			m								Reserve	00:45		Back				
LDG FR 50 FT ACC. POH			m								Sum			Baggage				
LDG INCL CORRECTIONS			m								Extra			Fuel				
LDG INCL TSFS ADD			m								TOTAL			TOW				
AVAILABLE LANDING DIST.			m											MAX TOW	Arm, max	Arm, min		
											Fuel flow	l/h						
											Calculate FF for the aircraft you fly!							