



**FI(S)TMG COURSE PROGRAMME**

**FOR A BGA MEMBER CLUB**

**DECLARED TRAINING ORGANISATION**

**COPYRIGHT BGA**

Student Instructor Name	
Gliding Club	
Phone number	
Email	
Licence type & number	
Licence extended to TMG?	
Hours PIC TMG	
FI(S) expiry date	
Medical expiry date	

## CONTENTS

FI(S)TMG 1 Introduction and Generic DTO Statements
FI(S)TMG 2 BGA Safety Policy
FI(S)TMG 3 General Course Information
FI(S)TMG 4 Theoretical Knowledge Training
FI(S)TMG 5 Flying Training
FI(S)TMG 6 Completion Standard
FI(S)TMG Appendix 1 Course Record
FI(S)TMG Appendix 2 Example Instructor authorisation list
FI(S)TMG Appendix 4 Course Completion Certificate

## **FI(S)TMG 1 - INTRODUCTION AND GENERIC DTO STATEMENTS**

The BGA Declared Training Organisation (DTO) exists to support the Part-SFCL compliant training needs of BGA clubs.

The BGA DTO central supporting function is based in its BGA office site (described here as the BGA DTO office) and delivers flight training from a number of BGA club sites (described here as BGA DTO sites).

The DTO will comply with Commission Regulation (EU) 2018/1119.

All training aircraft used will hold a valid certificate of airworthiness and comply with Commission Regulation (EU) No1321/2014.

The DTO has developed a safety policy in accordance with DTO.GEN.210(a)(1)(ii) according to which all training activities are carried out. The safety policy is described in the BGA Safety Management System manual.

All training activities are carried out in accordance with the DTO training programme(s).

Changes to this declaration or of cessation of training activities will be notified to the Competent Authority in accordance with DTO.GEN.115(d).

Pete Stratten

BGA DTO Representative

## **FI(S)TMG 2 – SAFETY POLICY**

All training carried out at BGA club sites should adhere to the BGA Safety Management System (SMS) including incident and accident reporting requirements. The BGA office is responsible for publication of the SMS and associated requirements.

<https://members.gliding.co.uk/library/safety/bga-safety-management-system-manual/>

<https://members.gliding.co.uk/reporting-an-occurrence/>

The course programme introduces the student pilot to new safety critical information related to TMG instructing. It is important that additional threats, as identified in the flying training programme below, are fully understood by the FIC and student instructor.

The student instructor should be encouraged to report safety related issues experienced during training.

## **FI(S)TMG 3 – GENERAL COURSE INFORMATION**

### **FI(S)TMG 3.1 FI(S)TMG Training**

The FI(S)TMG course will be carried out in accordance with this programme.

### **FI(S)TMG 3.2 Regulations and Publications**

This programme complies with the Implementing Regulations in Regulation (EU) 2020/358 Part-SFCL as amended, and associated AMCs. References in the format 'SFCL.xxx' are from these.

Reference is made to the BGA Safety Management System (available on the BGA member website)

### **FI(S)TMG 3.3 Privileges, Prerequisites, Training and Licence Entries**

FI(S) privileges are noted on the instructor's licence.

Prerequisites for the extension of instructing privileges to TMG are at SFCL.315 (a) (4).

The requirement to add TMG instructing privileges to an FI(S) via a training course is at SFCL.330 (b) (2).

Extension of FI(S) privileges to TMG is noted in the Remarks and Restrictions part of box XII in the licence as: 'And TMG'.

FI(S) holders who gained the certificate by conversion from a BGA MGIR rating have the remark 'Sailplane Training Only' against the FI(S) entry on their licence. Within the BGA DTO their FI(S) certificate may not be used for instruction for a TMG extension. The remark can be removed when the holder completes this course and has the privilege added to their FI(S) certificate.

### **FI(S)TMG 3.4 Terminology**

Within this document:

- FI(S)TMG: an FI(S) certificate which has been extended to TMGs.
- FIC or Coach: an FI qualified in accordance with SFCL.315(a)(7) (licences printed up to Nov 2019 will note this as 'FCL.905.FI(i))
- AoC: Assessment of Competence in accordance with SFCL.345.
- HoT: Head of Training.
- 'Give': FIC conducts an airborne lesson with the student instructor as TMG Extension student in order to demonstrate TMG instruction.
- 'Give Back': Student instructor conducts an airborne lesson with the FIC as TMG Extension student.

### **FI(S)TMG 3.5 Pre-entry Standards**

There are no pre-entry standards to be met.

### **FI(S)TMG 3.6 Who May Instruct**

The HoT is to maintain and display a list of the FICs who may instruct for this course. Example at Appendix 2.

### **FI(S)TMG 3.7 Course Records**

Course records must be retained by the DTO throughout the course and for 3 years after course completion or the latest training flight in accordance with this programme. The records must include:

- Training programme (this document);
- Brief details of Theoretical Knowledge training, eg;
  - Books, packages or web sites used for TK self-study;
  - Any face to face TK training;
- Flight training received, and progress made by the student instructor. Including:
  - flying exercises 'ticked off' as each is done, and
  - flight details recorded in a conventional log book (paper or digital), and
  - narrative, in a few words, of each flight with advice for next training, and

### **FI(S)TMG 3.8 Assessment**

Coaches should continuously assess student instructor progress. The completion standard gives guidance for the standards expected. The HoT should maintain a broad overview of student instructor progress and give advice where necessary.

### **FI(S)TMG 3.9 Exercise and Course Completion**

On satisfactory completion of each exercise, the student instructor and FIC should certify the training record (Appendix 1).

Following successful completion of the course, a course completion certificate (Appendix 3) should be completed and certified by the HoT.

### **FI(S)TMG 3.10 Radio Licence**

Whilst not a requirement, the BGA recommends that FI(S)TMG holders qualify to hold a Flight Radio Telephony Operators Licence (FRTOL).

### **FI(S)TMG 3.11 FI(S)TMG AoC Preparation Checklist**

The candidate should have with them:

- Government issued ID eg driving licence
- Up to date pilot log book
- Completed training record (FI(S)TMG Appendix 2)
- Course completion certificate (FI(S)TMG Appendix 3)
- SPL or LAPL(S)
- Medical certificate
- Current aeronautical chart

### **FI(S)TMG 4 THEORETICAL KNOWLEDGE TRAINING**

The student instructor should be encouraged to self-study with face to face training as needed.

Coaches should advise the student so that:

- he/she is able effectively to teach the TK element of the TMG Extension course (as detailed in the AMC to Part-SFCL).
- his/her TK keeps pace with and supports the flying training and prepares him/her for the TK elements of the AoC.

There are a variety of aids available to help this self-study, both hard copy and on line.

## FI(S)TMG 5 FLYING TRAINING

### FI(S)TMG 5.1 Exercises

The numbering of exercises should be used primarily as an exercise reference list and broad instructional sequencing guide.

The order and content of each may be varied, if approved by the HoT, to reflect weather or individual needs in order to achieve the course completion standard. Syllabus exercises are specified as example vehicles for instructor training.

#### FI(S)TMG 5.1.1 Training time

The 6 hours required by SFCL.330(b)(2) are a minimum, not a target; it is expected that most students will require more. Specified lesson times are approximate.

### FI(S)TMG 5.2 Threat & Error Management:

After exercises 1 & 2, which detail specific items, T&EM for the rest of the course should be based on the exercises being flown.

<b>FI(S)TMG Exercise 1: Skill Test Profile</b>	1 hr
<b>T&amp;E:</b> Unexpected actions by a student instructor unfamiliar with the particular TMG or environment <b>M:</b> Avoid rushing anything; careful student instructor monitoring	
The focus of this exercise is the student instructor's TEM and TMG handling. Skill Test profile should be based on AMC1 SFCL.145.  The student instructor should achieve pass standards in every aspect of the Skill Test without any particular effort.	
<b>FI(S)TMG Exercise 2: GPS Use For Local Navigation</b>	30 min
<b>T&amp;E:</b> Degraded lookout while heads down attending to GPS <b>M:</b> Normal lookout discipline	
Introduction, if required, to system and area used for the course. Reinforce integration of GPS, paper map and TMG handling	

<b>FI(S)TMG Exercise 3: Give Advanced Turning</b>	45 min
<p>With student instructor acting as TMG Extension student, FIC to give Advanced Turning, Exercise 11 in AMC1 SFCL.150(b) (c)(2). Emphasis should be given to:</p> <ul style="list-style-type: none"> <li>• reinforcing the fundamentals of effective airborne instruction</li> <li>• differences between TMG instruction and whatever the student instructor is used to.</li> </ul>	
<b>FI(S)TMG Exercise 4: Give Back Advanced Turning</b>	1 hr
<p>With the FIC acting as TMG Extension student, student instructor to give back Advanced Turning. Assessment, reinforcement, re-training as required of the fundamentals of effective airborne instruction, as applicable to TMG instruction.</p>	
<b>FI(S)TMG Ground Discussion</b>	
<p>Led by FIC Discuss use of the fundamentals of effective airborne instruction to achieve the completion standards. Develop lesson plans for: Effects of power and level acceleration/ deceleration (straight &amp; level 2) (AMC1 SFCL.150(b) Exercise 4: (vi),(vii)&amp;(viii)).</p>	
<b>FI(S)TMG Exercise 5: Navigation</b>	1 hr 30
<p>FIC and student instructor to agree and then fly a route that broadly replicates the challenges faced by a TMG Extension student during a flight compliant with SFCL.130(a)(2)(v)(B) using both GPS and non GPS techniques.</p> <p>Emphasis should be given to appropriate techniques. Instructor/ student role play is rarely appropriate during this exercise.</p>	
<b>FI(S)TMG Exercise 6: Give Approach Control</b>	45 min
<p>With student instructor acting as TMG Extension student, FIC to give the approach control element of AMC1 SFCL.150(b) Exercise 10 (ii)</p>	



Note: a normal TMG approach, with engine idling and spoilers or airbrakes used for glide path adjustment, should be taught.

Emphasis should be given to:

- reinforcing the fundamentals of effective airborne instruction
- differences between TMG instruction and whatever the student instructor is used to.

#### **FI(S)TMG Exercise 7: Give Back Approach Control**

45 min

With the FIC acting as TMG Extension student, student instructor to give back Approach Control.

Assessment, reinforcement, re-training as required of the fundamentals of effective airborne instruction, as applicable to TMG instruction.

#### **FI(S)TMG 6 COMPLETION STANDARD**

The student instructor should be able to:

1. demonstrate the ability to perform all elements of the SPL TMG Skill Test to a pass standard, and
2. deliver an airborne lesson of the FIC's choosing from the TMG Extension syllabus in simple, easy stages, and
3. achieve a pass standard in an AoC.

## FI(S)TMG Appendix 1 Course Record

[illegible]

## FI(S)TMG Appendix 2 – Example Instructor Authorisation List

### MUCH SOARING GLIDING CLUB DTO INSTRUCTOR AUTHORISATION LIST

The following instructors are authorised to carry out FI(S)TMG training at this DTO:

Name	Limitations
Chuck Yeager	

Signature: *Amy Johnson*

Date: *1<sup>st</sup> April 2020*

Name: *Amy Johnson*

Head of Training

### FI(S)TMG Appendix 3 – Course Completion Certificate

I certify that (name) .....has completed the course of training for

(title).....on (date).....

At ( DTO site name).....DTO reference.....

The course consisted of.....flying hours and.....take-offs and landings / launches

TMG type(s) used during the course.....

I certify that (name)..... is ready to be tested by an examiner.

Signature of Head of Training..... Name..... Date .....

Completed certificate should be given to the student instructor and a copy retained by the DTO.