

1 The Coffee Airfoilers Model Airplane Club is a club devoted to the promotion and
2 enjoyment of the sport of model aviation. The club is incorporated as a non-profit
3 organization in the state of Tennessee and is chartered by the Academy of Model
4 Aeronautics (AMA). The club leases a flying site located on the Arnold Air Force Base
5 (AAFB) access highway just outside Tullahoma, TN. Meetings are normally held at St.
6 Barnabas Episcopal Church, 110 East Lincoln Street, at 7:00 PM on the first Monday
7 of each month. If the first Monday is a holiday, the meeting is held on the following
8 Monday. The meeting is moved to the flying field during the months of June through
9 September if the weather permits.

10

11

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21 COFFEE AIRFOILERS FIELD RULES

22

23 The safe operation of all activities at all Airfoil flying sites is of prime importance.
24 Model airplane operations should be conducted in accordance with the official "AMA
25 Safety Code". (See Appendix 1) Model airplane operations may include models
26 weighing up to 55 pounds or more, and flying at very high speeds. At the point of
27 impact, such a model could produce forces of more than four tons (more than a 50

28 caliber bullet). It should therefore be every club members business to see that all
29 operations are conducted in as safe a manner as possible.

30

31 General arrangement of the field, runways, pit areas, parking areas, spectator areas,
32 glider launching areas, and field boundaries are shown in the "Field Map" see Figure 1

33

34

35 **General**

36

37 1. A current AMA license is required to fly models at all Airfoilers sites

38

39 2. Youth members under 14 must be accompanied by an adult or club member.

40

41 3. A proper FCC license is required unless operating on a license free band.

42

43 4. An effective muffler is required on all R/C engines above 0.10 cu. in. displacement.

44

45 5. Automobiles and other vehicles must be parked in designated areas. No vehicles are
46 allowed east of the line created by the crossties or on the runway (grass or asphalt),
47 except mowers or maintenance vehicles.

48

49 6. Spectators are welcome, but must remain in the designated areas, unless
50 accompanied by a club member.

51

52 7. Club members and spectators are required to control the activities of their children
53 and pets.

54

55 8. No transmitter may be turned on without a current "Flying Authorization" card
56 attached to the frequency control board.

57

58 9. All pilots (power, electric, glider or free flight) should state loudly on take-off or
59 landing what their intention is, and from what direction they intend to proceed. This
60 includes touch and go's, low passes, etc. and will allow other pilots to be aware of
61 your intentions, hence lessen the chance of a mishap.

62

63 10. No flying of engine-powered models is permitted before 10:00 AM on Sunday or
64 before 8:00 AM on other days

65

66 11. No consumption of alcoholic beverages or drugs are allowed at any Airfoiler flying
67 site.

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70 **Power planes**

71

72 1. R/C pilots must stand between the pit area and the runway when flying. Pilots are
73 not allowed on the runway except to launch or retrieve a model. It is recommended
74 that pilots fly from one of the four designated pilot stations.

75

76 2. No flying over pits, spectator area, or parking area.

77

78 3. When there are two or more aircraft in the air, a pattern should be flown to help
79 prevent midair collisions.

80

- 81 4. All traffic patterns shall be flown to the east of the runway in either a left or right
82 direction depending on wind direction, however, sailplanes are allowed to fly and land
83 in the areas north and south of the parking lot west of the runway.
84
- 85 5. The use of spotters is advised when combined power and glider activities are
86 underway. Take-offs and landings should be coordinated between the pilots.
87
- 88 6. Only take-offs, landing, and touch and go's, are permitted over the runway. All
89 other modes of flight to include aerobatics, high & low speed passes, 3D, knife edge,
90 etc. will be conducted east of the runway.
91
- 92 7. No more than four (4) powered models should be in the air at one time.
93
- 94 8. Dead-stick and landing aircraft have the right-of way.
95
- 96 9. The shelter shall not be used as a pit area.
97
- 98 10. No engine break-in or extended engine running in the spectator or pit areas is
99 allowed. These activities shall be conducted outside the downwind edge of the pit
100 area.
101
- 102 11. All models must comply with the AMA Safety Code. New models, models repaired
103 after major damage, or with radios repaired after crash damage should be inspected
104 by another club member for air-worthiness before initial flight. Repaired equipment
105 should not be test flown when large numbers of people are present. When performing
106 a test flight of a new or repaired model, the pilot should ask for exclusive use of the
107 field so that spotters may warn others of any departures from controlled flight.

108

109

110 **Free Flight Model Flying Rules**

111

112 The Coffee Airfoilers have Free Flight uncontrolled model flyers who may use the field
113 at any time. The following field rules apply during such activities.

114

115 1. Free flight models will be launched as far away from R/C activities as possible.

116

117 2. Free flight model retrieval activities will avoid traffic through the R/C runways
118 unless no R/C planes are flying.

119

120 3. Free flight models in flight have the right-of-way over all R/C models.

121

122

123 **Helicopter Rules**

124

125 1. Helicopters will land, take off, and hover in the unused glider flight area (i.e. down
126 wind side of the field).

127

128 2. Other Helicopter flight must obey traffic rules for fixed wing aircraft.

129

130

131 **Glider and Endurance Model Rules**

132

133 1. Gliders are to be operated from designated launch sites adjacent to and on each
134 side of the parking areas depending on wind conditions.

- 135
- 136 **2. Gliders will land in the designated glider area with a normal pattern approach. No**
- 137 approaches over the pit, shelter, or parking area are allowed.
- 138
- 139 3. Slow flying endurance models (i.e. Old Timers) and 'AA or electric-boosted gliders
- 140 may also be flown from this area using the same rules as the gliders.

141

142

143 **Prohibited Flight Areas**

144

- 145 1. Pilots shall not fly their planes over the pits, spectator areas, parking lot, golf
- 146 course, or the skeet ranges when shooters are present.

147

148

149 **Guest Usage Rules**

150

151 Members may invite non-club members to use the field under the following conditions.

152

- 153 1. Guest flyers must have in his/her possession a valid AMA license and be
- 154 accompanied by an Airfoiler member.
- 155
- 156 2. Anyone who is not a member of the AMA may be introduced to R/C flying by one
- 157 of the clubs AMA Licensed Introductory Instructors.
- 158
- 159 3. The host member is responsible for his guest, i.e., must familiarize the guest with
- 160 club rules and verify AMA membership.

161

162 **COFFEE AIRFOILERS, INC. CONSTITUTION**

163

164 Article I. Name.

165

166 The name of this organization will be the Coffee Airfoilers Model Airplane Club.
167 The club is incorporated as a non-profit organization under the laws of the State of
168 Tennessee. It is also a chartered club of the Academy of Model Aeronautics (AMA), a
169 nonprofit organization incorporated under the laws of the District of Colombia.

170

171 Article II. Purpose.

172

173 The objectives of the organization will be to promote the building and flying of I
174 model airplanes and to advance model aviation in such a manner as to bring credit upon
175 the club, its members, Arnold Air Force Base (AAFB), and the Academy of Model
176 Aeronautics. All policies and regulations established by this club will conform to the
177 policies and regulations of the Academy of Model Aeronautics.

178

179 Article III. Membership.

180

181 Membership is open to AAFB personnel, their families, retired Military, Civil
182 Service, members of their families, and members of the community who are active
183 in or interested in advancing the hobby of model aviation. Membership categories
184 of Junior, Senior, and Open will be identical to those of the Academy of Model Aviation
185 (AMA), the national organization that charters the Coffee Airfoilers. Membership in the
186 Coffee Airfoilers will not be denied on the basis of age, race, color, religion, national
187 origin, or sex.

188

189 Article IV. Responsibilities.

190

191 The Coffee Airfoilers is a private club and not an instrument of the Federal
192 Government. Neither the United States Government nor the AAFB Contract Operators
193 will be held liable for personal injury or damage to property by any person participating
194 in the activities of this club on the Arnold Air Force Base.

195

196 The Club will:

197

198 I. Operate a flying site leased from Arnold Air Force Base (AAFB) for use of its
199 membership to operate in accordance with the provisions of the by-laws.

200

201 2. All flying will be conducted in accordance with the Safety Rules of the Academy of
202 Model Aeronautics. (See Appendix 1)

203

204 Article V. Liability.

205

206 1. All members of the Club must also hold a current membership with the "Academy
207 of Model Aeronautics (AMA)" before they can participate in club activities or use club
208 facilities. The primary purpose of this requirement is to provide liability and property
209 damage insurance to the club and it's members.

210

211 2. The club will carry the maximum allowable additional flying site insurance coverage
212 provided by the Academy of Model Aeronautics to provide public liability and property
213 damage insurance to the Arnold Air Force Base and/or other flying site owners.

214

215

216 **COFFEE AIR-FOILERS INC. BYLAWS**

217

218 Article I. Officers.

219

220 The Officers of the Coffee Airfoilers are; President, Vice President, Secretary,
221 Treasurer, Safety Director and a five member Board of Directors.

222

223 Article II. Duties.

224

225 1. The President will preside at all meetings of the club and act as club spokesman.

226

227 2. The Vice-President will act for the President when he is unable to serve.

228

229 3. The Secretary will keep the minutes of all meetings, provide meeting information
230 and notices for all club members, handle all correspondence for the Club, and keep
231 attendance records.

232

233 4. The Treasurer will collect all moneys due, keep a record of all moneys received by
234 the club, and maintain records of moneys spent by the club. The Treasurer will
235 maintain the official membership listing.

236

237 The Treasurer will prepare a budget for annual transmittal to AAFB in March

238

239 5. The Board of Directors will act on all matters of club policy.

240

241 Article III. Term of Office.

242

243 The President, Vice President, Secretary, and Treasurer will serve for one year.
244 Members of the Board of Directors will serve for two years with three being elected in
245 odd numbered years and two being elected in even numbered years. Nominations for
246 club officers will be conducted in November. Nominations will also be received from
247 the floor. Elections will be held at the first general meeting in December. New officers
248 will assume their duties beginning with the first meeting after January 1 of the
249 following year.

250

251 Article IV. Qualification for Office.

252

253 Candidates for President, Vice President, Secretary, and Treasurer must be in
254 good standing for one year prior to being nominated. Members of the Board of Directors
255 must have been a member of the Club in good standing for five years, or have served
256 at least one term as President, Vice President, Secretary, or Treasurer of the club
257 prior to being nominated:

258

259 Article V. Vacancies.

260

261 A vacancy in any office will be filled by appointment by the Board of Directors with
262 such appointee terminating office at the next general election.

263

264 Article VI. Notification.

265

266 The transfer of information by e-mail will constitute official notification. E-mail will
267 serve as the official vehicle to send copies of the minutes of meetings to members in
268 good standing, as well as special notices that the officers deem necessary. It is the

269 responsibility of each member to notify the Secretary of any changes in their e-mail
270 address.

271

272 Article VII. Meetings.

273

274 1 General meetings of the club will be held on the first Monday of each month at a
275 time; and place to be designated at the preceding meeting. If the first Monday of a
276 month falls on a holiday, the meeting will be held on the following Monday.

277

278 2. One elected officer and one member of the board will be present to transact
279 business.

280

281 3. Proxy representation of one active member by another for voting purposes will be
282 allowed only upon receipt by the Secretary of a signed authorization of the member
283 being represented.

284

285 4. The Board of Directors will meet a minimum of once a year to review plans, policy,
286 financial position, and any such business that may arise.

287

288 5. A quorum of one-half of the Board of Directors will constitute a meeting of the
289 Board.

290

291 6. At the discretion of the Board of directors, a special meeting of the membership
292 may be called at any time. The members in good standing will be notified by e-mail
293 one (1) week prior to the date set.

294

295 7. Official meetings will be conducted in accordance with Robert's Rules of Order.

296

297 8. When required by the representative of AAFB, minutes of all meetings and monthly
298 financial statements will be forwarded to 704 CES/CC, Real Property Officer, 100
299 Kindel Drive, Suite B327, Arnold Air Force Base, TN 37389 within 10 days of their
300 approval by the President.

301

302 Article VIII. Fiscal responsibility.

303

304 The corporation is responsible for its own fiscal obligations to the full extent of its
305 resources. Operating funds will be generated by dues, special assessments, and
306 donations. The officers of the club have the authority to commit the club to
307 expenditures not to exceed \$100.00. All expenditures in excess of \$100, but not
308 exceeding \$500, must be approved by a simple majority of those members in
309 attendance at a business meeting to effect authorization. All expenditures in excess
310 of \$500 must be approved by a simple majority of those members in attendance at a
311 business meeting held at least two weeks after all members in good standing have
312 been notified of the proposed expenditures.

313

314 Article IX. Dues.

315

316 1. The annual membership dues will be: Youth Members (19 and under) \$1.00, Adult
317 Members (Open) \$25.00, Family Membership \$25.00, plus \$1.00 for each immediate
318 family member living in the same household.

319

320 2. The annual membership dues are due and payable in January. New members who
321 join the club after June 30th may pay dues for the remainder of the year at the rate
322 of \$1.00 for Youth, \$15.00 for Adult, and \$15.00 plus \$1.00 for each immediate

323 family member. A new member is defined as one who has not been a member during
324 the previous 5 years. Dues collected after October 1 will be credited to the next
325 year's dues.

326

327 3. No special assessment will be levied upon the club members as a whole except by
328 an affirmative vote of a majority of the members in good standing present at a club
329 business meeting held at least two weeks after all club members have been notified.

330

331 Article X. Special Funds.

332

333 The Treasurer is authorized to receive contributions or specially obtained funds
334 from any source, to be applied to the operating expenses of the Club.

335

336 Article XI. Committees

337

338 The President may appoint standing committees as he deems necessary to assist
339 in club activities.

340

341 Article X11. Amendments.

342

343 Amendments may be made to the Constitution by a two-thirds vote of all current
344 members present, provided all members have been notified two weeks in advance by
345 those sponsoring the proposed amendment.

346

347 The By-laws may be changed by a two-thirds vote of all current members present at a
348 general meeting, provided all members have been notified two weeks in advance of
349 the meeting, and all changes have been posted on the website.

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Article XI. Liquidation of Assets.

In the event of the disbanding of the Coffee Airfoilers, any remaining treasury funds after the payment of all expenses and indebtedness, will be donated to the Academy of Model Aeronautics or local charities as determined by the membership.

377

APPENDIX 1

378

379

OFFICIAL AMA NATIONAL MODEL AIRCRAFT SAFETY CODE

380

Current Code Effective January 1, 2006

381

382 GENERAL

383

384 Model flying must be in accordance with this code in order for AMA Liability Protection
385 to apply

386

1. A model aircraft shall be defined as a non-human carrying device capable of
387 sustained flight in an atmosphere. It shall not exceed limitations established in this
388 code and is intended to be used exclusively for recreational or competition activity.

389

2. The maximum takeoff weight of a model aircraft, including fuel, is 55 pounds,
390 except for those flown under AMA Experimental Aircraft Rules.

391

3. I will abide by this Safety Code and all rules established for the flying site I use. I will
392 not willfully fly my model aircraft in a reckless and/or dangerous manner.

393

4. I will not fly my model aircraft in sanctioned events, air shows, or model flying
394 demonstrations until it has been proven airworthy. Having been previously and
395 successfully flight tested.

396

5. I will not fly my model aircraft higher than approximately 400 feet above ground
397 level, when within three (3) miles of an airport without notifying the airport operator. I
398 will yield right-of-way and avoid flying in the proximity of full-scale aircraft. Where
399 necessary, an observer shall be utilized to supervise flying to avoid having models fly
400 in the proximity of full-scale aircraft.

401

6. I will not fly my model aircraft unless it is identified with my name and address, or
402 AMA number, inside or affixed to the outside of the model aircraft. Note: This does
403 not apply to models while being flown indoors.

- 404 7. I will not operate model aircraft with metal-blade propellers or with gaseous boosts,
405 in which gases other than air enter their internal combustion engine(s); nor will I
406 operate models with extremely hazardous fuels such as those containing
407 tetra nitromethane or hydrazine.
- 408 8. At all flying sites, a straight or curved line(s) must be established in front of where
409 all flying takes place, with the other side for spectators. Only personnel involved with
410 flying the aircraft are allowed in front of the flight line. Flying over the spectator side
411 of the line is prohibited, unless beyond the control of the pilot(s). In any case, the
412 maximum permissible takeoff weight of the models with fuel is 55 pounds.
- 413 9. At air shows or model flying demonstrations a single straight line must be
414 established; one side of which is for flying, with the other side for spectators. Only
415 those persons accredited by the contest director or other appropriate official as
416 necessary for flight operations or as having duties or functions relating to the conduct
417 of the show or demonstration are to be permitted on the flying side of the line. The
418 only exceptions permitted to the single line requirements, under special circumstances
419 involving consideration of site conditions and model size, weight, speed, and power,
420 must be jointly approved by the AMA President and the Executive Director.
- 421 10. I will not operate models with pyrotechnics (any device that explodes, burns, or
422 propels a projectile of any kind) including, but not limited to, rockets, explosive bombs
423 dropped from models, smoke bombs, all explosive gases (such as hydrogen-filled
424 balloons), ground mounted devices launching a projectile. Exceptions include Free
425 Flight fuses or devices that burn producing smoke and are securely attached to the
426 model aircraft during flight. Also permitted are rockets flown in accordance with the
427 National Model Rocketry Safety Code; however, they may not be launched from the
428 model aircraft during flight, and those permanently attached (as per JATO use); also
429 those items authorized for Air Show Team use as defined by AST Advisory Committee
430 (document available from AMA HQ). In any case, models using rocket motors as a

431 primary means of propulsion are limited to a maximum weight of 3.3 pounds and a G
432 series motor. Note: A model aircraft is defined as an aircraft with or without an
433 engine, not able to carry a human being.

434 11. I will not operate any turbo jet engine (axial or centrifugal flow) unless I have
435 obtained a special waiver for such specific operations from the AMA President and
436 Executive Director and I will abide by any restriction(s) imposed for such operation by
437 them. (Note: This does not apply to ducted fan models using piston engines or
438 electric motors.) .

439 12. I will not operate my model aircraft while under the influence of alcohol or within
440 eight (8) hours of having consumed alcohol.

441 13. I will not operate my model aircraft while using any drug which could adversely
442 affect my ability to safely control my model aircraft

443 14. Children under six (6) years old are only allowed on a flightline or in a flight area as
444 a pilot or while under flight instruction.

445 15. When and where required by rule, helmets must be properly worn and fastened.

446 They must be OSHA, DOT, ANSI, SNELL or NOCSAE approved or comply with comparable
447 standards.

448

449 **RADIO CONTROL**

450

451 1. All model aircraft flying shall be conducted in a manner to avoid overflight of
452 unprotected people.

453 2. I will have completed a successful radio equipment ground range check before the
454 first flight of a new or repaired model.

455 3. I will not fly my model aircraft in the presence of spectators until I become a
456 proficient flier, unless I am assisted by an experienced pilot.

- 457 4. I will perform my initial turn after takeoff away from the pit or spectator areas, and
458 I will not thereafter fly over the pit or spectator areas, unless it is beyond my control.
- 459 5. I will operate my model using only radio control frequencies currently allowed by
460 the Federal Communications Commission. (Only properly licensed amateurs are
461 authorized to operate equipment on "Amateur Band" frequencies.)
- 462 6. I will not knowingly operate a BIC system within three (3) miles of a pre-existing
463 model club site without a frequency sharing agreement with that club.
- 464 7. For combat, distance between flight line and spectator line will be 500 feet per
465 cubic inch of engine displacement. (Example: .40 engine 200 feet.)
- 466 8. With the exception of events flown under official AMA Competition Regulations
467 rules, excluding takeoff and landing, no powered model may be flown outdoors closer
468 than 25 feet to any individual, except for the pilot and the pilot's helper(s) located at
469 the flightline.
- 470 9. Under no circumstances may a pilot or other person touch a model aircraft in flight
471 while it is still under power, except to divert it from striking an individual.
- 472 10. Radio controlled night flying is limited to low- performance model aircraft (less
473 than 100 mph). The model aircraft must be equipped with a lighting system which
474 clearly defines the aircraft's attitude and direction at all times.
- 475 11. The operator of a radio-controlled model aircraft shall control it during the entire
476 flight, maintaining visual contact without enhancement other than by corrective lenses
477 that are prescribed for the pilot. No model aircraft shall be equipped with devices
478 which allow it to be flown to a selected location which is beyond the visual range of
479 the pilot.

480

481

482

483

484 **FREE FLIGHT**

485

486 1. I will not launch my model aircraft unless at least 100 feet downwind of spectators
487 and automobile parking.

488 2. I will not fly my model unless the launch area is clear of all individuals except my
489 mechanic, officials, and other fliers.

490 3. I will use an effective device to extinguish any fuse on the model aircraft after the
491 fuse has completed its function.

492

493 **CONTROL LINE**

494

495 1. I will subject my complete control system (including safety thong, where applicable)
496 to an inspection and pull test prior to flying. Pull test will be in accordance with the
497 current Competition Regulations for applicable model category. Models aircraft not
498 fitting a specific category as detailed shall use those pull test requirements for Control
499 Line Precision Aerobatics.

500 2. I will ensure that my flying area is safely clear of all utility wires or poles and I will
501 not fly a model aircraft closer than 50 feet to any above-ground electric utility lines.

502 3. I will ensure that my flying area is safely clear of all non-essential participants and
503 spectators before permitting my engine to be started.

504

505

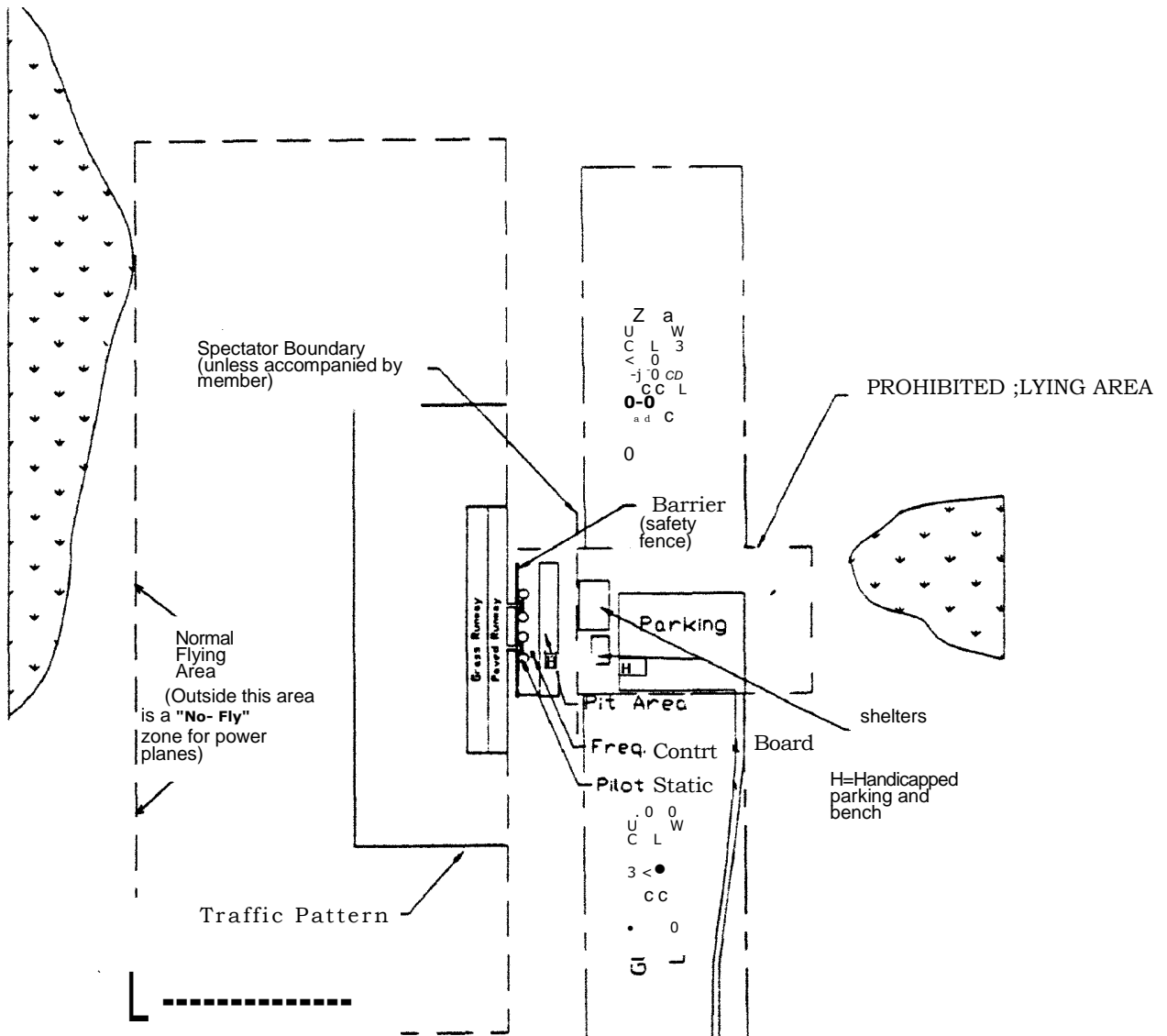
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Field Map

(Fig. 1)

skeet Range



AEV-1 Access Highway

NOT TO SCALE