

Introduction.

For the sake of clarity, the meanings of some of the terms used in the ETS rules are set out below. These definitions are not part of the rules.

Assignment

The process by which an electronic chip ring is linked or associated with a pigeon's life ring.

Club System

Equipment used:-

- a) to assign electronic rings to birds
- b) to register birds entered for a race, and
- c) to produce strike-off sheets.

NEHU Rules governing the use of Electronic Timing Systems (ETS) for Racing

1. No system of Electronic Timing may be used for races under NEHU Rules, unless it has been approved by the NEHU. *(A list of manufacturers of approved systems appears in Appendix 1 and is available from the Union office.)*
2. The serial numbers of all Club systems must be registered with the NEHU, Racing Organisations and Federations using the form available from the NEHU Office/Website. No unregistered Club system may be used for any race under NEHU rules.
3. A Club system can be recalled by the NEHU at any time for testing. When this happens, a replacement Club system will be provided to allow racing to continue.
4. All Club systems must be kept in secure conditions.
5. All individual ETS clocks must be registered with the NEHU, Racing Organisations and Federations using the form available from the NEHU Office/Website. Only registered clocks may be used in races under NEHU rules.
6. Only electronic rings which incorporate approved electronic chips may be used in races under NEHU rules. *(A list of manufacturers' approved Rings appears in Appendix 2 and is available from the Union office.)*
7. Assignment of electronic rings must be carried out by not less than two authorised officials of the Club.
8. Except for the provisions of Rule 9 below, Clubs must enact their own local rules regarding the frequency and timing of assignment of electronic rings. These rules must apply to all members of that Club who use electronic timing, and ensure that no unreasonable demands are placed on the Club Officials who carry out the assignment process and/or Race Registration.
9. No Club rule can allow assignment or re-assignment of an electronic ring on the day of race registration, except where the electronic chip ring is discovered to be faulty.

10. A Club Official must ensure that the electronic clock used with, or incorporated into the Club system, has received an up-to-date signal before race entry is due to start and before strike-off.
 11. If the electronic clock used with, or incorporated into the Club system, has not been able to receive a radio signal, the Club system's electronic clock may be set manually along with other types of clock, via the master timer strike.
 12. No race entry details can be accepted from any electronic equipment with visible signs of damage to the casing or the seal, even if the damage was caused accidentally.
 13. While electronic race registration is taking place, apart from officials engaged in the registration, to ensure security, all other people must remain at least 1 metre from the Club system.
 14. No person may act as an Official while their own birds are being recorded.
 15. As part of the electronic race entry process, Officials must check that the number of the life ring on the pigeon's leg is the same as that shown by the Club system when the electronic chip ring is scanned.
 16. All race entry and strike-off sheets must be printed directly from the Club system and must show the Club system's serial number and the date and time of production.
 17. As part of the entry process, each person presenting birds for entry to a race, will be given a copy of a print from the Club system showing the entry details which have been recorded for their pigeons. If all are satisfied that the details have been entered correctly, the fancier, or their representative, and two Club Officials will sign the copies. *(In the event of subsequent disputes, the signature of the fancier or their representative will be taken as evidence that they have had the opportunity to correct any mistakes but were satisfied that the details were correct.)*
 18. The signed print and copies of the race entry sheets constitutes the electronically produced part of the Race Register. Pools may be recorded on these sheets either manually or electronically.
- Note: - Copies are required for (a) the Fancier; (b) the Club; (c) the Federation. (d) the Transporter and (e) when necessary, the Racing Organisation.*
19. Sensor pads/antennae must be placed inside the loft or trapping area (not under any external landing board) in such a way that when the loft is closed, no electronic chip ring may be recorded by the Electronic Timing system installed.
 20. No timing details can be accepted from any electronic equipment with visible signs of damage to the casing or the seal, even if the damage was caused accidentally.
 21. Any ETS clock varying by 3 seconds or more per day, must be returned to the manufacturer for testing. Any pigeons recorded on this clock will not be accepted for inclusion in the race result until the manufacturer's test report has been seen.

22. A printed copy of their Strike-off sheet must be given to each competitor or their representative. This will be signed by at least two Club Officials.
23. Club Officials shall check that the setting information, including the secret code allocated at race entry corresponds with the strike-off sheet. If discrepancies are discovered, the competitor's clock will be deemed out-of-order and any pigeons timed by that clock will be excluded from the result.
24. The ETS strike-off sheet will be printed and signed by the Fancier, or their representative and at least two Club Officials.

Note: Copies are required for (a) the Fancier; (b) the Club; (c) the Federation

25. The Club must retain all race entry, strike-off sheets, and ring assignment sheets, for at least 12 months.
26. Club, Federation, Racing Organisation and NEHU Officials have the right to inspect any loft trapping system and electronic rings.
27. Officials have the power to detain any ETS they consider doubtful.
28. In the event of an escape, where required, ETS birds must have their life rings recorded.
29. Except for the arrangements set out in Clock Rule 38, Variation of Timing, no clock approved by the NEHU will be subject to debits or credits when times are calculated.
30. All ETS rings to have the Loft Number of the competing member written to the ETS ring on assignment. The Loft number composed of two parts (2 Characters to identify the racing organisation of Club the lofts NEHU Subscription is paid through and 5 Numeric Characters for NEHU membership number). e.g. WD 20024

DC for Durham Combine
NN for New North Amalgamation
UN for Up North Combine
WD for West Durham Amalgamation

31. The Current year's version of Software/Firmware for each manufacturer will be listed in Appendix 3 of the ETS rules available from the NEHU Office/Website. All Club Systems/ETS Clocks must have as a minimum the version numbers of Software/Firmware listed in Appendix 3.

Note: The General Council agrees that up to three trapping entrances to a maximum of 30 inches each, may be set up for any one race.

Appendix 1ETS NEHU Approved Manufacturers/Suppliers

1. The systems listed below, using the protocol UNIVES 1.7, are approved for use in races under NEHU Rules,
2. The manufacturers are listed in alphabetical order.
3. The NEHU does not endorse any particular system over any other.

Benzing
 Bricon
 Mega System
 TauRIS
 Tipos
 Unikon

Notes :-

1. *Members purchasing systems must exercise their own judgement based on the knowledge of their own particular circumstances and requirements.*

Appendix 2

For races under NEHU rules members must use an electronic ring which incorporates the HiTag-S electronic chip.

Approved Rings Containing the HITAG S Chip

Benzing - Benzing Pro Ring	HITAG-S	Ring Code DA, DB
Bricon - Bricon 5000 Classic	HITAG-S	Ring Code C5
Mega Systems	HITAG-S	Ring Code C7, D8, D9
TIPES	HITAG-S	Ring Code 76 to 79
TAURIS - Tauris S	HITAG-S	Ring Code D4, D5, B4, B5
UNIKON - UCR3	HITAG-S	Ring Code C9

Appendix 3

Manufacturer	Club System/ Software version	Clock Model/ Software version
Benzing	Version 2.2 or higher	Benzing M1: Version 2.28 or higher Benzing G2: Version 1.05 or higher

BRICON	UK-1.0.3 or higher	Little BRICON: Version UK-20 or higher BRICON Speedy: Version 008 or higher BRICON+: Version 004 or higher
Mega Systems	Version: 5.03 or higher	Version: Unives 1.7 or higher
Tauris	CW1.44-UK or higher	Fancier software UK8.16 or higher
TIPES	Version 2.35c or higher	Tipes MC2100: version 2.50 or higher
Unikon	Version 3.5 or higher	Unikon Champ: Version 3.0 (UK) or higher Unikon Profi: Version 3.01 (UK) or higher