**TECHNICAL SPECIFICATION FOR**
**IGC-APPROVED GNSS FLIGHT RECORDERS**
**AMENDMENT LIST NUMBER 4a**

**Effective 10 April 2016**

It has been found necessary to make some small changes to the first line of the Flight Declaration (C-record).

**Background**:

AL4 simplified Line 1 of the C record by removing the previous fields for intended date of flight and task number because it is the last correctly formatted flight declaration that is valid, irrespective of day of flight or task number.

The reason that AL4a is required is because it was found that the above simplification compromised the way a number of analysis programs worked because they searched for data that was not there in the shorter C-record line. This could lead to an incorrect indication of an invalid declaration. To prevent this, the two redundant fields need to be put back but should normally be filled with zeros, see below.

A3.5.4  Replace the para headed "Line 1" with:

Line 1. DD MM YY is the UTC date on which the declaration was made; followed by the time of declaration in hours, minutes, seconds UTC in the format HH MM SS. If the flight is to take place on a later day, in the past this was shown below as the second DD MM YY group. This was followed by the reference or number of the declaration, shown in the line below as XXXX, then by TT, the number of Turn Points. The fields for the later day and reference number are now not required, in case they are inconsistent with the date and time of the declaration and of the flight itself, and compromise an otherwise valid declaration. For the characters used in Flight Date, XXXX and TT, see the right hand column in the table below.

C DD MM YY  HH MM SS  DD MM YY  XXXX  TT  TEXT STRING  CR LF

A3.5.4 table, add:

| | | | |
|---|---|---|---|
| Flight date | 6 | DDMMYY | Obsolete field, still needed in the IGC file to prevent anomalies in some Analysis programs. This field should be filled with zeros unless there is a specific purpose in including the intended date of flight in addition to the declaration date. The last valid declaration at the beginning of the line is the only one that counts, irrespective of flight date. (AL4a) |
| Task number for the flight date | 4 | XXXX | Obsolete field, still needed in the IGC file to prevent anomalies in some Analysis programs. Fill with zeros because the last valid declaration at the beginning of the line is the only one that counts, irrespective of task number. (AL4a) |

A3.5.4.1  Change the first C-record line to:

C 21 08 15  09 38 41  000000  0000  02  500K Triangle

A9.2  Change the first C-record line to the same as in A3.5.4.1 above,
and ensure that the first line of the Header record in A9.2 and A3.2.4 both start with HF DTE DATE:  (to be consistent with the format of all of the other Header record lines).

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