



**GNSS FLIGHT RECORDER APPROVAL COMMITTEE (GFAC)
INTERNATIONAL GLIDING COMMISSION (IGC)**
of the
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20 May 2020

WITHDRAWAL OF IGC-APPROVAL

Recorder Name: Print Technik GR1000 and 1000A

Level of Approval: IGC-approval was withdrawn from this type of Flight Recorder on 1 October 2012 due to factors affecting the security of the FR and its IGC flight data files, see below

Reference: www.ukiws.uk/GFAC/documents/igc%20fr%20security%202011-10e.pdf

1. This document updates the GFAC Chairman's email address and the web site data in para 4 below.
2. In 2011 and 2012, security breaches were detected with some types of IGC-approved FRs, leading to IGC files being produced with some false data that continued to pass the IGC electronic Validation check.
 - 2.1. The IGC ANDS and GFA Committees analysed the overall security situation and produced the paper referenced above that was approved by the 2012 IGC Plenary meeting. This recommended that some older types of FR were no longer secure enough to retain IGC-approval, and others should have their IGC-approval level reduced. The action date for the changes was 1 October 2012.
3. Print Technik GR1000. The paper recommended that IGC-approval be withdrawn for the following reasons. This type of FR was first IGC-approved in March 1997 and by 2012 had a number of non-compliances with the current IGC FR Specification. In addition, some security keys had been revealed in the Public Domain and overall security had been compromised.
4. Current web sites. References for the latest versions of documents relating to IGC-approval of FRs are given in para 2 on page 1 of the main table that lists all IGC-approvals. The latest version of the table is available through <www.fai.org/igc-documents> and the GFAC Chairman's web site <www.ukiws.uk/GFAC>. The detailed references are placed in the main FR table rather than in each IGC-approval document, so that if the reference changes, only the main table has to be updated rather than all IGC-approval documents.

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