



TD2014EAAS v2.0

Summary of Major Modifications

Based on the experience gained from the first 4 months of implementation of the steroidal module of the Athlete Biological Passport (ABP), the Technical Document on Measuring and Reporting of Endogenous Anabolic Androgenic Steroids has undergone revision by WADA's Laboratory Expert Group (LabEG). The modified version 2.0 of the document, TD2014EAAS v2.0, includes clarifications on the reporting of the values (concentrations, T/E ratio) and the validity of measured steroid profiles, as well as further instructions on the conditions that trigger the performance of GC-MSⁿ and GC-C-IRMS confirmation analyses by the anti-doping laboratories.

2.1 Method Characteristics: On page 4, it has been specified that the maximum relative standard combined uncertainty of 30% for the determination of T/E values shall be applied when the concentrations of either T OR E is below 5 ng/mL.

2.2 Reporting the 'steroid profile' from the Initial Testing Procedure:

- Footnote 5 has been included to clarify that, when reporting the steroid profile from the Initial Testing Procedure the laboratories do not have to adjust the measured values to two significant figures anymore. The test report will reflect the values of the steroid profile as measured by the laboratory, and the process of correction to two significant figures will be done automatically in ADAMS upon application of the Adaptive Model of the ABP to the "longitudinal steroid profile" of the athlete.
- Further clarifications have been made on the reporting of the validity of the sample, emphasizing that when the T/E ratio of the sample can be determined from the ratios of the corrected chromatographic peak areas or peak heights, the "steroid profile" of the sample shall be considered as valid (even if the concentration of (a) Marker(s) of the "steroid profile" is below the limit of quantification of the assay). This allows for the inclusion of the measured T/E value in the "longitudinal steroid profile" of the Athlete.

3.0 Confirmation Procedure

Further provisions are provided on the conditions that trigger IRMS and GC-MSⁿ confirmation analyses for the steroid profile. Two kinds of automatic messages generated by ADAMS have been specified:

- "ATPF Confirmation Procedure Request" Notification,
- "Suspicious Steroid Profile Confirmation Procedure Request" Notification.

The conditions that will trigger these notifications, and what the laboratories shall do in each case, are further explained in this section of the document.