QW-404.5 (Applicable only to ferrous metals.) A change in the chemical composition of the weld deposit from one A-Number to any other A-Number in Table QW-442. Qualification with A - No. 1 shall qualify for A - No. 2 and vice versa. The weld metal chemical composition may be determined by any of the following:

(a) For all welding processes – from the chemical analysis of the weld deposit taken from the procedure qualification test coupon.

(b) For SMAW, GTAW, LBW, and PAW – from the chemical analysis of the weld deposit prepared according to the filler metal specification, or from the chemical composition as reported either in the filler metal specification or the manufacturer’s or supplier’s certificate of compliance.

(c) For GMAW and EGW – from the chemical analysis of the weld deposit prepared according to the filler metal specification or the manufacturer’s or supplier’s certificate of compliance when the shielding gas used was the same as that used to weld the procedure qualification test coupon.

(d) For SAW – from the chemical analysis of the weld deposit prepared according to the filler metal specification or the manufacturer’s or supplier’s certificate of compliance when the flux used was the same as that used to weld the procedure qualification test coupon.

In lieu of an A - Number designation, the nominal chemical composition of the weld deposit shall be indicated on the WPS and on the PQR. Designation of nominal chemical composition may also be by reference to the AWS classification except for the “G” suffix classification, by the manufacturer’s trade name, or by other established procurement documents.