charge that is not credited to the existing obligation. The following shall not be treated as a refinancing:
(1) A renewal of a single payment obligation with no change in the original terms.
(2) A reduction in the annual percentage rate with a corresponding change in the payment schedule.
(3) An agreement involving a court proceeding.
(4) A change in the payment schedule or a change in collateral requirements as a result of the consumer's default or delinquency, unless the rate is increased, or the new amount financed exceeds the unpaid balance plus earned finance charge and premiums for continuation of insurance of the types described in §226.4(d).
(5) The renewal of optional insurance purchased by the consumer and added to an existing transaction, if disclosures relating to the initial purchase were provided as required by this subpart.
(b) Assumptions. An assumption occurs when a creditor expressly agrees in writing with a subsequent consumer to accept that consumer as a primary obligor on an existing residential mortgage transaction. Before the assumption occurs, the creditor shall make new disclosures to the subsequent consumer, based on the remaining obligation. If the finance charge originally imposed on the existing obligation was an add-on or discount finance charge, the creditor need only disclose:
(1) The unpaid balance of the obligation assumed.
(2) The total charges imposed by the creditor in connection with the assumption.
(3) The information required to be disclosed under §226.18(k), (l), (m), and (n).
(4) The annual percentage rate originally imposed on the obligation.
(5) The payment schedule under $\S 226.18$ (g) and the total of payments under §226.18(h) based on the remaining obligation.
(c) Variable-rate adjustments. ${ }^{45 c}$ An adjustment to the interest rate with or
${ }^{45 c}$ Information provided in accordance with variable-rate subsequent disclosure regulations of other federal agencies may be sub-
without a corresponding adjustment to the payment in a variable-rate transaction subject to $\S 226.19$ (b) is an event requiring new disclosures to the consumer. At least once each year during which an interest rate adjustment is implemented without an accompanying payment change, and at least 25 , but no more than 120, calendar days before a payment at a new level is due, the following disclosures, as applicable, must be delivered or placed in the mail:
(1) The current and prior interest rates.
(2) The index values upon which the current and prior interest rates are based.
(3) The extent to which the creditor has foregone any increase in the interest rate.
(4) The contractual effects of the adjustment, including the payment due after the adjustment is made, and a statement of the loan balance.
(5) The payment, if different from that referred to in paragraph (c)(4) of this section, that would be required to fully amortize the loan at the new interest rate over the remainder of the loan term.
[46 FR 20892, Apr. 7, 1981, as amended at 52 FR 48671, Dec. 24, 1987]

## § 226.21 Treatment of credit balances.

When a credit balance in excess of $\$ 1$ is created in connection with a transaction (through transmittal of funds to a creditor in excess of the total balance due on an account, through rebates of unearned finance charges or insurance premiums, or through amounts otherwise owed to or held for the benefit of a consumer), the creditor shall:
(a) Credit the amount of the credit balance to the consumer's account;
(b) Refund any part of the remaining credit balance, upon the written request of the consumer; and
(c) Make a good faith effort to refund to the consumer by cash, check, or money order, or credit to a deposit account of the consumer, any part of the credit balance remaining in the account for more than 6 months, except that no further action is required if the consumer's current location is not
stituted for the disclosure required by paragraph (c) of this section.
known to the creditor and cannot be traced through the consumer's last known address or telephone number.

## § 226.22 Determination of annual percentage rate.

(a) Accuracy of annual percentage rate. (1) The annual percentage rate is a measure of the cost of credit, expressed as a yearly rate, that relates the amount and timing of value received by the consumer to the amount and timing of payments made. The annual percentage rate shall be determined in accordance with either the actuarial method or the United States Rule method. Explanations, equations and instructions for determining the annual percentage rate in accordance with the actuarial method are set forth in appendix $J$ to this regulation. ${ }^{45 d}$
(2) As a general rule, the annual percentage rate shall be considered accurate if it is not more than $1 / 8$ of 1 percentage point above or below the annual percentage rate determined in accordance with paragraph (a)(1) of this section.
(3) In an irregular transaction, the annual percentage rate shall be considered accurate if it is not more than $1 / 4$ of 1 percentage point above or below the annual percentage rate determined in accordance with paragraph (a)(1) of this section. ${ }^{46}$
(4) Mortgage loans. If the annual percentage rate disclosed in a transaction secured by real property or a dwelling varies from the actual rate determined in accordance with paragraph (a)(1) of this section, in addition to the tolerances applicable under paragraphs (a)(2) and (3) of this section, the dis-
${ }^{45 \mathrm{~d}}$ An error in disclosure of the annual percentage rate or finance charge shall not, in itself, be considered a violation of this regulation if: (1) The error resulted from a corresponding error in a calculation tool used in good faith by the creditor; and (2) upon discovery of the error, the creditor promptly discontinues use of that calculation tool for disclosure purposes and notifies the Board in writing of the error in the calculation tool.
${ }^{46}$ For purposes of paragraph (a)(3) of this section, an irregular transaction is one that includes one or more of the following features: multiple advances, irregular payment periods, or irregular payment amounts (other than an irregular first period or an irregular first or final payment).
closed annual percentage rate shall also be considered accurate if:
(i) The rate results from the disclosed finance charge; and
(ii)(A) The disclosed finance charge would be considered accurate under §226.18(d)(1); or
(B) For purposes of rescission, if the disclosed finance charge would be considered accurate under $\S 226.23(\mathrm{~g})$ or (h), whichever applies.
(5) Additional tolerance for mortgage loans. In a transaction secured by real property or a dwelling, in addition to the tolerances applicable under paragraphs (a)(2) and (3) of this section, if the disclosed finance charge is calculated incorrectly but is considered accurate under §226.18(d)(1) or $\S 226.23(\mathrm{~g})$ or (h), the disclosed annual percentage rate shall be considered accurate:
(i) If the disclosed finance charge is understated, and the disclosed annual percentage rate is also understated but it is closer to the actual annual percentage rate than the rate that would be considered accurate under paragraph (a)(4) of this section;
(ii) If the disclosed finance charge is overstated, and the disclosed annual percentage rate is also overstated but it is closer to the actual annual percentage rate than the rate that would be considered accurate under paragraph (a)(4) of this section.
(b) Computation tools. (1) The Regulation Z Annual Percentage Rate Tables produced by the Board may be used to determine the annual percentage rate, and any rate determined from those tables in accordance with the accompanying instructions complies with the requirements of this section. Volume I of the tables applies to single advance transactions involving up to 480 monthly payments or 104 weekly payments. It may be used for regular transactions and for transactions with any of the following irregularities: an irregular first period, an irregular first payment, and an irregular final payment. Volume II of the tables applies to transactions involving multiple advances and any type of payment or period irregularity.

