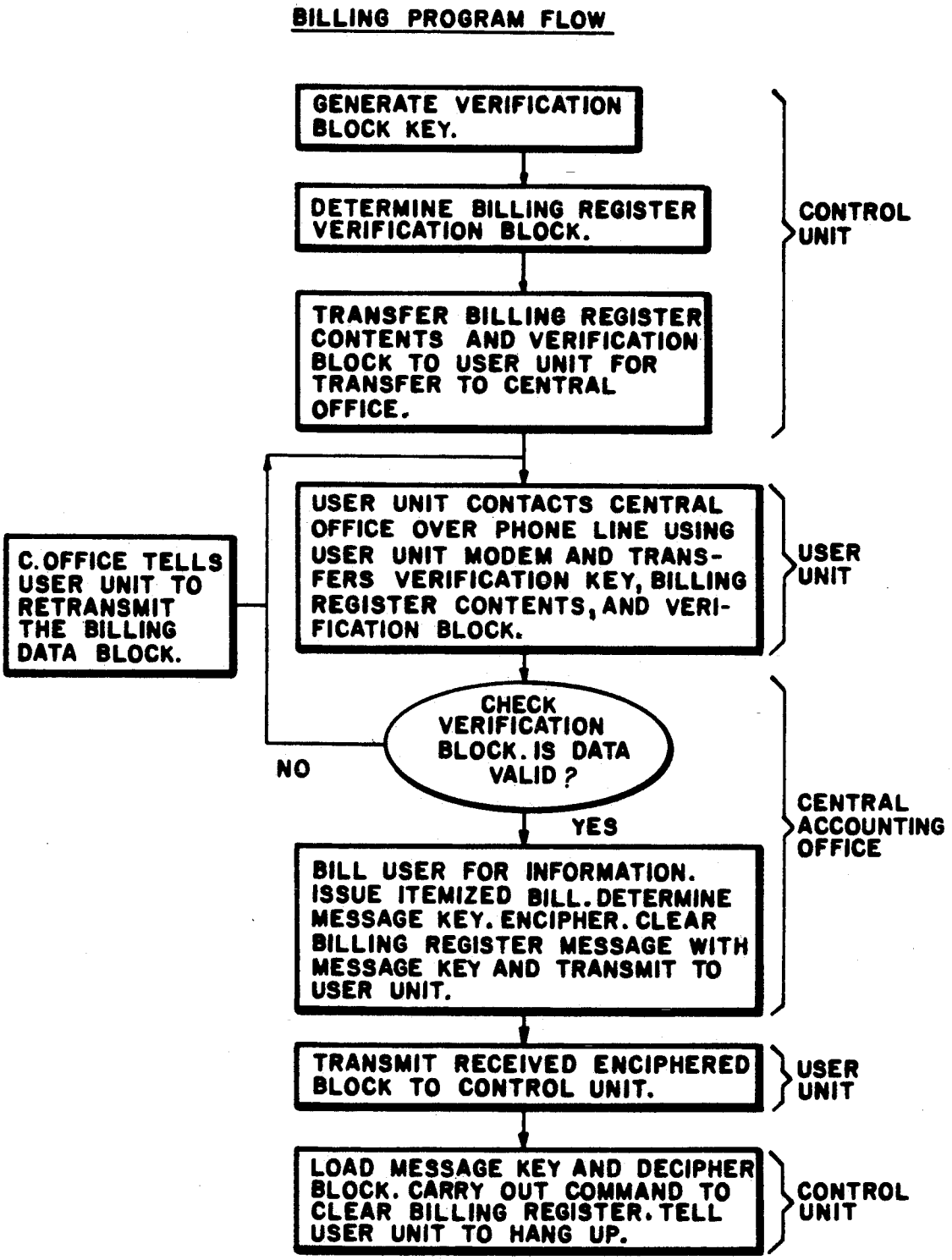
BILLING PROGRAM FLOW
GENERATE VERIFICATION BLOCK KEY.
DETERMINE BILLING REGISTER VERIFICATION BLOCK.
TRANSFER BILLING REGISTER CONTENTS AND VERIFICATION BLOCK TO USER UNIT FOR TRANSFER TO CENTRAL OFFICE.
CONTROL UNIT
USER UNIT CONTACTS CENTRAL OFFICE OVER PHONE LINE USING USER UNIT MODEM AND TRANSFERS VERIFICATION KEY, BILLING REGISTER CONTENTS, AND VERIFICATION BLOCK.
USER UNIT
C. OFFICE TELLS USER UNIT TO RETRANSMIT THE BILLING DATA BLOCK.
CHECK VERIFICATION BLOCK. IS DATA VALID ?
NO
YES
BILL USER FOR INFORMATION. ISSUE ITEMIZED BILL. DETERMINE MESSAGE KEY. ENCIPHER. CLEAR BILLING REGISTER MESSAGE WITH MESSAGE KEY AND TRANSMIT TO USER UNIT.
CENTRAL ACCOUNTING OFFICE
TRANSMIT RECEIVED ENCIPHERED BLOCK TO CONTROL UNIT.
USER UNIT
LOAD MESSAGE KEY AND DECIPHER BLOCK. CARRY OUT COMMAND TO CLEAR BILLING REGISTER. TELL USER UNIT TO HANG UP.
CONTROL UNIT

FIG.15