



United States  
Department of  
Agriculture

Soil  
Conservation  
Service

210 Walnut Street  
693 Federal Building  
Des Moines, IA 50309

February 20, 1986

NATIONAL ENGINEERING MANUAL  
210-V - AMENDMENT IA20 - PART 520 & 544

SUBJECT: IOWA SCS DAM INVENTORY &  
ADJUSTMENT AND CALIBRATION OF ENGINEERING EQUIPMENT

Purpose. This notice transmits pages IA520-12c(1) through (11) and IA544-2(1).

Effective Date. This amendment is effective upon receipt.

Explanation of Changes. This amendment adds the amended Iowa SCS Dam Inventory form (IA-ENG-40 (Rev)) along with the instructions for completing the inventory, procedures in working with The Iowa Department of Water, Air, and Waste Management, and current Iowa policy for adjustment and calibration of surveying equipment.

Filing Instructions. Pages IA520-12c(1) through (11) should be filed immediately following Page 520-12c. Page IA544-2(1) should be filed immediately following Page 544-2. Pages IA520-12-1(1) through (6) dated May 1985; Pages IA520-12-2(1) and (2) dated December 1984; and Page IA544-2(1) dated April 1982 should be destroyed. This amendment should be noted on the Iowa Supplement Tabulation Sheet.

*J. Michael Nethery*  
J. Michael Nethery  
State Conservationist

Attachment

A  
F  
EN2  
RC&D  
MNTC - 5  
SCE - Midwest States

## §IA544.02 Adjustment and Calibration

(a) Sensitive surveying equipment shall be used, transported, and maintained in accordance with the guidelines contained in Chapter 1, Engineering Field Manual.

(b) Personnel using surveying equipment on a continuing basis are expected to keep the equipment in proper adjustment, exterior surfaces free of dust and moisture, and exposed threads properly lubricated.

(c) Each area conservationist shall assign a qualified individual(s) the responsibility for maintenance, repair, and calibration of all sensitive surveying equipment in the area. This individual will be responsible for:

(1) Cleaning, checking, adjusting and making (or arranging for) needed repairs of all sensitive surveying equipment in the area. This equipment inspection will be done on an annual basis or more often if the area conservationist desires.

(2) Informing the area conservationist of those responsible for any neglect, misuse, or other deficiency found during the annual inspection.

(3) Providing training on the care, use, and minor adjustment of surveying equipment.

(4) Keeping a record of all service performed on each instrument. This will be made on a card maintained in the field office where the instrument is located. Each entry shall include the date cleaned or adjusted, conditions found, repairs made, the apparent care given the instrument, and by whom the instrument was serviced. The area conservationist may also wish to maintain a consolidated record in the Area Office.

File under  
120,  
Equipment

## §IA544.05 State procedures.

(a) Malfunction of any surveying equipment indicated by excessive wear or serious inaccuracy shall result in immediate withdrawal from service. Necessary arrangements will be made for correction or replacement.

(b) Where inspection indicates that an instrument needs adjustment or repair beyond the ability of the area conservationist's staff, the area office should hand deliver it to a repair shop for an indication of needed work and cost estimate or to the State Office. Requests for repair should include type, property number and location of the instrument. The repair estimate will be reviewed by appropriate state office staff and a decision made on repair or replacement of the instrument.