

DEPARTMENT OF THE ARMY
Wilmington District, Corps of Engineers
PO Box 1890
Wilmington, North Carolina 28402

SAWEN

28 September 1984

DISTRICT REGULATION
NO. 1110-2-4

ENGINEERING AND DESIGN
BIDDABILITY, CONSTRUCTIBILITY, AND OPERABILITY

1. Purpose. This regulation is to establish policy and procedures for consideration of BIDDABILITY, CONSTRUCTIBILITY, and operability during design and the integration of a high degree of biddability, constructibility, and operability into construction procurement contracts.

2. Reference. ER 415-1-11

3. Policy. Coordination and cross checks between design, construction, and operational elements shall be made throughout project development in order to optimize biddability, constructibility, and operability; that is, the ease with which a designed project can be built and the ease with which the contract documents can be understood, administered, and enforced. Operability refers to the ease with which a project can be operated and maintained. The complexity and size of the project will determine the extent of the coordination required. Participation by design, construction, and operational elements in a minimum of two specific reviews is required; the first will be made after the design is sufficiently complete for substantive comment (e.g., at the completion of the feature design memorandum); the second, after completion of plans and specifications, normally 30 days before formal advertising. Appropriate review is considered of paramount importance and delay of the bid opening should be considered whenever possible, if required, to allow adequate time to complete the review process. The specific biddability, constructibility, and operability reviews shall address those topics contained in paragraph 6b of the basic reference and others which may be germane to the project.

4. Procedures.

a. Engineering Division. The Chief Engineering Division will assure the accomplishment of the following activities:

(1) Design schedules include appropriate time for biddability, constructibility, and operability review. Normally, the biddability, constructibility, and operability review will follow the full design review by Engineering Division elements.

(2) Initiate coordination contracts and reviews with construction and operations' personnel at mutually acceptable times, normally at completion of feature design memorandum and at completion of plans and specifications.

(3) Jointly, with Chief of Construction-Operations Division, determine the degree and extent of participation required by the construction and operational elements.

(4) Provide appropriate personnel participation.

(5) Incorporate appropriate comments generated by contacts and reviews into design and/or construction procurement documents.

(6) Advise reviewers of action to be taken on comments.

(7) Provide reviewers an opportunity to appeal the unfavorable consideration of comments by the design element.

(8) That the biddability, constructibility and operability review is normally completed prior to advertisement.

(9) Jointly, with Chief of Construction-Operations Division, provide certification that all appropriate biddability, constructibility and operability review comments have been incorporated in the invitation for bids.

(10) Document pertinent activities and actions of engineering elements.

(11) That A-E prepared designs are subjected to the same review process as in-house designs.

b. Construction-Operations Division. The Chief, Construction-Operations Division, or his designee, will assure the accomplishment of the following activities:

(1) Coordinate biddability, constructibility and operability activities of Construction-Operations Division and resident offices.

(2) Jointly, with Chief, Engineering Division, determine the degree and extent of participation required by construction and operational elements.

(3) Provide appropriate mix of senior construction and operations personnel who are familiar with the project location and potential site related problems and operational requirements of the facilities. Additionally, these personnel should have extensive knowledge of the construction market place and experience in construction control, supervision and/or management. Further, they should understand the application of design assumptions and principles.

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(4) Jointly, with Chief, Engineering Division, provide certification that all appropriate biddability, constructibility and operability review comments have been incorporated in the invitation for bids.

(5) Charges. Unless directed otherwise by the District Engineer, personnel of design elements shall charge their biddability, constructibility and operability activities to the Engineering and Design Feature Account 30, and personnel of the construction elements shall charge their biddability, constructibility and operability efforts to the Supervision and Administration Feature Account 31.

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LTC, Corps of Engineers

Deputy Commander



WAYNE A. HANSON

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