

Subject Construction Projects Standards, Orders, and Regulations	Effective Date 2/19/93	Initiated  Facilities Engineering Division
	Supersedes New	Approved  Engineering Department Head

Applicability

This PPPL Engineering Standard is broadly applicable to all PPPL maintenance, repair, construction, or installation of buildings, roads, utilities, facility systems, and all modifications to such facility elements.

Introduction

The DOE has devoted a major effort to develop an omnibus standard (Ref. 1) that encompasses all of the national, industry, and Association standards that are required for DOE-sponsored projects. In addition, this DOE Standard includes, where applicable, those regulatory, Congressional, Executive Order, and agency directives and orders that must be considered in any project at this site.

References

1) DOE Order 6430.1A (4/6/89), or latest revision thereof. United States Department of Energy, General Design Criteria¹.

Standard

1. DOE 6430.1A consists of sixteen (16) major Divisions that combined cover the full scope of construction detail appropriate to the spectrum of DOE facilities. These 16 Divisions are as follows:

- Division 1 General requirements
- Division 2 Site and Civil Engineering
- Division 3 Concrete
- Division 4 Masonry
- Division 5 Metals
- Division 6 Wood and Plastics
- Division 7 Thermal and Moisture Protection
- Division 8 Doors and Windows

¹ See Division 1 of Reference 1 for a complete listing of supporting standards and other design criteria that baseline that standard.

Division 9 Finishes
Division 10 Specialties
Division 11 Equipment
Division 12 Furnishings
Division 13 Special Facilities (fusion test, rad waste, tritium, uranium
processing, etc)
Division 14 Conveying Systems
Division 15 Mechanical (plumbing, HVAC, Central Plant heat generation, Cryo,
Fire, etc.)
Division 16 Electrical

2. It is recommended that all construction specifications and/or statements of work (SOW) include a clause similar to the following: "All work performed on this contract shall be in accordance with all applicable requirements of DOE 6430.1A, latest revision." Where the scope is limited, you may wish to refer to a particular Division, or Division and Paragraph. For example, "work on this contract shall comply with DOE 6430.1 A, latest revision, Division 16, Electrical." Include a copy of Division 16 in the procurement technical package.

3. Copies of Ref. 1 may be secured by writing to:

Superintendent Of Documents,
U.S. Government Printing Office
710 North Capital Street, NW
Washington, DC 20402

or to

U.S. Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585.

4. FED Project Engineering (x2449) and Maintenance Engineering (x3592) are familiar with and maintain a copy of DOE Order 6430.1A and some of the supporting specifications and standards. Assistance in applying this standard to a specific design or contract may be obtained from either functional group.

Other Standards

This section contains those design standards (or PPPL/FED design policies) that are not included within, or deviate from, DOE 6430.1A.

1) DOE Energy Conservation Manual (DRAFT)², *no number, no date--*

² This ECM (DRAFT) contains design and operational criteria that supersedes DOE 6430.1A, General Design Criteria Section 0110-12, and was authorized by the PAO on 9/21/92 to take effect immediately --- pending formal release of the ECM by DOE as Rev. 0.