

CEMP-CR

Regulation  
No. 405-1-3

30 September 2016

Real Estate  
REAL ESTATE GEOSPATIAL DATA AND MAPPING

1. Purpose. This Engineer Regulation (ER) describes the requirements and policy for developing and providing geospatial data and related materials for planning, acquisition, management, disposal, and archiving of lands and interested in lands acquired by the U.S. Army Corps of Engineers (USACE) for Department of Army, military and civil works projects.
2. Applicability. This ER applies to all USACE Commands having Real Estate responsibilities for civil works, military, or environment restoration.
3. Distribution. Approved for public release; distribution is unlimited.
4. References.
  - a. EM 405-1-3, Geospatial Data and Mapping for Real Estate
  - b. ER 1110-1-8156, Policies, Guidance, and Requirements for Geospatial Engineering Data and Systems
  - c. EM 1110-2-6056, Policies for Referencing Project Evaluation Grades to Nationwide Vertical Datums
  - d. EM 1110-1-1003, NAVSTAR Global Position System Survey
  - e. EM 1110-1-1005, Control and Topographic Surveying
5. Scope.
  - a. This regulation deals with the development, maintenance, publication, and disposition of Real Estate geospatial data and mapping. Real Estate geospatial data and mapping are required to support the functions of land acquisition, management, and disposal carried out by the Districts. The mapping functions may be performed at the Districts by cadastral subject matter experts (SMEs), geospatial SMEs, or by contract.
  - b. The information within this regulation is general in nature. The references cited in paragraph 4 provide detailed requirements and guidance with respect to general and real estate specific geospatial data and mapping. Reference 4.a. in particular provides explicit direction regarding Real Estate mapping and geospatial data development and maintenance.

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This regulation rescinds Chapter 3 of ER 405-1-12, dated 20 November 1985.

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6. Data Creation and Management. Real estate mapping and Geographic Information Systems (GIS) activities shall be executed in accordance with reference 4.b. using appropriate data standards, processes and managed as part of the district's Enterprise Geospatial Engineering System (EGES) Program. All real estate mapping and GIS data creation shall reference NAD 83 and NAVD 88 as mandated in 4.c. As real estate holdings change through additional land acquisition, land disposal, outgrants, and other actions, the geospatial record shall be update to reflect the current land status. Data updates shall be completed at the district level, submitted to the Real Estate Management Information System (REMIS) Geospatial site for validation, and made available to REMIS and GIS users through CorpsMap, and Army Mapper services.

7. Real Estate Survey. Property surveys shall be executed in accordance with reference 4.a. As general policy installation boundaries and civil project boundaries will be established by actual survey and the corners will be either permanently monumented or the existing natural monumentation will be identified.

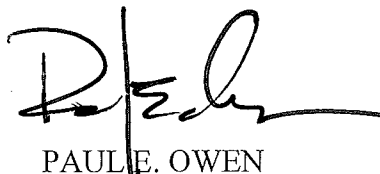
8. Timing. The real estate mapping program described in this regulation is subject to the availability of project funds. Once funds have been made available through appropriate directives or authorizations, real estate mapping activities can be accomplished. Final project geospatial data will be compiled within a reasonable time but not more than 3 months after the completion of the acquisition. Updates to geospatial data will be completed within a reasonable time but not more than 1 month after the completion of the validation process for any real estate actions involving civil projects or military installations.

9. Funding. Real estate mapping is an essential component of project development and management. As such real estate mapping and GIS data creation should be budgeted for as part of the overall project budgeting process. For new real estate actions, the cost of performing cadastral mapping activities should be calculated into the cost of the overall real estate effort.

10. Qualifications. All real estate mapping activities, whether performed by government staff or contractors, will be performed by qualified persons using applicable cartographic, land surveying, and GIS standards and practices.

11. Proponency. The HQUSACE proponent for this regulation is Real Estate, Directorate of Military Programs.

FOR THE COMMANDER:



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