

## ***BARBARA S. CLEMENTS, Ph.D.***

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### **PROFESSIONAL EXPERIENCE**

#### ***ESP Solutions Group, Inc.***

##### **Vice President for Education Services, 1997 – Present**

As a national expert on education data standards and indicators of education progress, Dr. Clements consults with federal, state, and local education agencies on data quality, reduction of data burden, effective data reporting, security, data confidentiality, and other issues related to efficient and effective education data management. She has provided assistance on numerous USED projects, such as EDEN/*EDFacts* where she identified initial data elements, developed documentation, and provided training; “best practices” work on education decision support systems for the USED Office of the Chief Information Officer where she facilitated and summarized meetings of SEA data systems experts, standards groups and associations; National Education Data Model where she participated in initial design activities and provided guidance and content on postsecondary data attributes; and Common Education Data Standards where she led efforts to identify postsecondary data elements and assisted with use cases. She has provided guidance to states and higher education on policies and procedures for maintaining privacy and security of student records for the collection and reporting of education data. Other past activities include preparing recommendations for revisions to the collection of dropout data for the New Hampshire Department of Education, providing guidance on the confidentiality of individual student records for thirteen state education agencies, consulting on student records systems, statewide longitudinal data systems and P20W data systems with state departments of education in Massachusetts, Mississippi, Missouri, Oklahoma, Idaho, Alaska, Wyoming, New York, Montana, Pennsylvania, Louisiana, and Tennessee, and directing a project to collect linked student and teacher data in Arizona. Dr. Clements has extensive experience writing publications, making presentations, and serving on advisory groups on education data systems, including the Data Accountability Center Advisory Group for the USED Office of Special Education Programs.

##### **Council of Chief State School Officers**

##### **Acting Director, State Education Assessment Center, 1995 – 1996**

##### **Assistant Director, 1991-1995**

As Acting Director, Dr. Clements managed the overall direction and coordination of a group of projects designed to improve the quality and availability of information on education. These projects focused on helping state education agencies to develop standards-based student and educator assessments, instructional frameworks and activities, staff development, and to implement information systems that provide essential indicators of the status, progress, and success of education systems. She coordinated states’ participation in international assessments and indicators activities and she oversaw the National Teacher of the Year program.

##### **Project Director, National Elementary/Secondary Data and Information System Project (and other similar projects, 1987 –1997**

Dr. Clements directed a series of projects funded by the U.S. Department of Education’s National Center for Education Statistics to promote the implementation of a national data and information system on elementary and secondary education by federal, state and local education agencies. Activities included: 1) the development of a list of core data elements that provide essential information about the education system and form the basis for the national information system, 2) identification of additional indicators needed to assess the quality and progress of the education system, 3) development of guidelines to help state and local education agencies ensure the confidentiality and security of student and staff records, 4) technical support for state education agencies as they automate data collection and reporting, and 5) development of training materials on the student and staff handbooks and other facets of the national information system. Responsibilities included analysis of data collection systems, convening of task forces and working groups, development of written recommendations, negotiations with state and federal agencies, provision of technical assistance, and presentation and dissemination of information to the public.

## **Texas Education Agency**

### **Education Program Director, 1984 – 1987**

Dr. Clements worked on the development, validation, and administration of three teacher testing programs: Texas Examination of Current Administrators and Teachers (TECAT), Examination for the Certification of Educators in Texas (ExCET), and Pre-Professional Skills Tests (PPST). Her responsibilities included development of descriptive materials, analysis and interpretation of data, overseeing special projects such as making accommodations for persons with disabilities, provision of staff development activities concerning the tests, and general dissemination of information to the public. She also directed development and research efforts related to the Texas Teacher Appraisal System.

## **Research and Development Center for Teacher Education, The University of Texas at Austin**

### **Research Associate, 1977 – 1984**

Provided direction and conducted data collection and analyses on seven classroom management research projects which focused on effective teaching for student learning. Responsibilities included collection, analysis, and interpretation of the data; training and supervision of research personnel; development of training and data collection materials; liaison with school district personnel; computer analyses; and dissemination of findings. Conducted presentations and workshops related to the research.

## **EDUCATION**

Ph.D., Educational Psychology, The University of Texas at Austin

M.A., Foreign Language Education, The University of Texas at Austin

B.S.Ed., Secondary Education, The University of Texas at Austin

## **HONORS, AWARDS, MEMBERSHIPS**

*Honors:* Who's Who of American Women; Phi Delta Kappa

*Organizations:* Postsecondary Electronic Standards Council (former Board Member); Schools Interoperability Framework; American Educational Research Association; International Society for Technology in Education

*Certifications:* Texas Provisional (Permanent) Secondary Teaching Certificate (Spanish and Government)

## **PUBLICATIONS AND PROFESSIONAL ACTIVITIES**

Dr. Clements has written over 13 education technology white papers for ESP Solutions Group, available at [www.espsolutionsgroup.com/resources.php](http://www.espsolutionsgroup.com/resources.php). An extensive list of publications and professional activities is available upon request.