Abstract

Spatial Data Development at the Bureau of Transportation Statistics
Track: Transportation
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The Bureau of Transportation Statistics (BTS) is leveraging ArcGIS and ArcIMS tools for critical spatial data development efforts. BTS has implemented an ArcIMS application designed to facilitate the collection and quality review of nonattainment area and metropolitan planning organization (MPO) data. The application is designed to link BTS with caretakers of relevant data throughout the country in EPA regional offices, MPOs, and state and local governments. ArcIMS provides the distributed computing and editing tools needed to facilitate the quality assurance and sharing of data to be assembled in geodatabases, filling long-existing data gaps. BTS also creates and updates an Intermodal Facility Database to respond to the needs of transportation GIS users. The Intermodal Facilities geodatabase has multiple commodity associations and directionality types for each facility and allows for up to four transportation modes per record. This paper presents the data gathering systems designed by BTS in these efforts, focusing on technological and subject-area approaches.

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