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Building a High Quality Rail Network

Presenter

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The Federal Railroad Administration (FRA) has been collecting data from several geometry track cars for many years, recording the latitude and longitude of every foot of the rail network. The FRA and the United States Geological Survey (USGS) will be partnering to develop these point locations into a network that will be +/- 2 meters. This level of accuracy would potentially be able to support a Linear Referencing System (LRS), by which applications could be developed to support Positive Train Control (PTC), emergency response, assets management, etc. This presentation will cover the collaboration between the FRA and the USGS on creating a highly accurate rail network (1:10,000) that is generated from the FRA's Automated Track Inspection Program (ATIP) data.