

ABSTRACT

Since 2001, temporary flight restrictions (TFRs) have existed around professional baseball games, professional football games, college football games, and major races; these TFRs are commonly referred to as the sporting event TFRs. Neither the Federal Aviation Administration's official TFR map nor the most commonly used aviation information website display the locations of these TFRs. Furthermore, an official, FAA sponsored preflight briefing does not contribute to pilots' awareness of the location or timing of these sporting event TFRs. In fact, the burden of knowing where, when, and for how long each NFL, MLB, NCAA division 1 football, NASCAR, and IndyCar event will take place is placed squarely on the shoulders of all pilots. This thesis reports on the creation of a web map specifically geared towards providing pilots with the locations and times of all sporting event TFRs in the United States. This data, as a database and a web service, has been offered to the FAA and several established, popular aviation websites to encourage display of these important TFRs on their web maps.