

## an Eye on Reviewed Event Bulletin Quality – Recent Performance Compared to the Year 2012

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From 2000, when official bulletin production at the International Data Centre (IDC) of the Provisional Technical Secretariat (PTS) started until 2012, comparisons of the Reviewed Event Bulletin (REB) with the Published Bulletin of the International Seismological Center (ISC) had been carried out. As numerous efforts have taken place since then, such as enhancing the automatic as well as the interactive bulletin production system, a fresh look at the performance of the REB with respect to the ISC bulletin for a recent year seems to be in order. Therefore, a comparison has been carried out for the most recent year of ISC bulletin availability, namely 2020. Preliminary results indicate that the performance has not changed significantly with respect to accuracy, observing anew a portion of 95 percent of common events located within 1 degree of each other and 90 percent within half a degree. Furthermore a significant drop of common IDC-ISC events occurred, from around 30 000 events per year to about 25 000 events per year. IDC only events, not updated by ISC, are now relatively less frequent than before.

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### Promotional text

Location accuracy of the events published in the Reviewed Event Bulletin (REB) is of utmost importance for the verification regime in order to assess the nature of an potentially treaty relevant event. Hence REB quality should be evaluated continuously.

### Oral preference format

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