Certification

Mr. Ulrich Greve from Germany (Birkenfelder Str. 12, 75180 Pforzheim) developed for us a custom MS-Windows DLL (Dynamic Link Library) with which Jewish calendar and times calculations are performed.

This DLL is used to provide Jewish calendar and times data to Bezeq customers via telephone (Bezeq is the Israeli main PTT). The estimate use of this service is 2 Million telephone calls per month.

The Jewish calendar calculation is very complex, and for the Zmanim calculation, complex astronomical calculations are necessary.

Features of the DLL are, among other things:

- Converting Gregorian date to Jewish date and vice versa

- Retrieving the nearest holiday, Yom-Hazicaron (memorial day) or Fast day for current/given date

- Support for retrieving date of nearest Shabbat from a given date

- Retrieving torah and haphtarah readings for a given Shabbat

- Shabbat Start, Shabbat End and Zmanim (Alot Hashachar, Earliest Tallit, HaNetz HaChama, Kriat Shema, Tefila, Chatzot, Mincha Gedola, Mincha K'tana, Plag HaMincha, Shkiat HaChama, Tzait Hakochavim) for over 1000 predefined cities, for a given/current date

- Storing of cities data (name, latitude, longitude, time zone) in a separate text file for easy editing

- Returning the Omer day number according to current/given date

Mr. Ulrich Greve has met our desires to our whole satisfaction, always very quickly and conscientious.

We would be glad to be able to work with Mr. Ulrich Greve again in the future.

Itzhak Korenfeld

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