WHAT IS IGAPP?

IGAPP is a brokerage program, bridging the gap between federal customers and commercial app vendors interested in using the National Geospatial-Intelligence Agency (NGA) database of geospatial information to solve problems supporting vital and fascinating missions.

App vendors are compensated through IGAPP using a market-driven compensation model. Developers provide their IGAPP apps and innovative app ideas to turn government customer needs, problems, and challenges into safe, tested apps for the GEOINT App Store. In return, IGAPP app developers will have access to NGA’s data, expertise and customers.

BACKGROUND

Foreign geographic names data is freely available from NGA, and U.S. domestic Geonames data is freely available from USGS. The NGA GEOnet Names Server (GNS) is the official repository of standard spellings of all foreign geographic names, sanctioned by the United States Board on Geographic Names (US BGN). The database also contains variant spellings (cross-references), which are useful for discovery purposes, as well as non-Roman script spellings of many of these names. All of the geographic features in the database contain information about location, administrative division, and quality. The database can be used for a variety of purposes, including establishing official spellings of foreign place names, cartography, GIS, GEOINT, and finding places.

APP NEED

Where is San’a or Sanna or Sana’a or سانعی چون؟ How does a person adapt to differences in spellings, language, and locations? Where are the cities and towns in a particular geographic area – or near my current location? Where are the nearest hospitals or public buildings? What do the locals call this neighborhood?

NGA seeks a mobile app that helps people quickly find locations worldwide while considering the person’s search preferences, location, and the cultural context of the location. The app searches the U.S. government’s worldwide location data (called a gazetteer) that can be supplemented by other sources of locations and interaction with mapping applications.

Problem: a location name, or Geoname, means many things to different people. Mobile users have to find locations and authoritative place names using restricted screen space, with limited typing interface, and browse results in a short response time, all of which make searching Geonames databases unwieldy and impractical. The finalized application will go through the IGAPP process and be made available for customers of the GEOINT App Store.
MARKET
Markets for this app are forward deployed warfighters and emergency responders working in foreign territories who need to know the English translation of names on buildings, street signs or written documents. Size and growth rate - Potential Number of Users: 2000 -> 5000 -> 10,000, depending on app functionality and data. Early adoption will likely be in the hundreds of users.

CUSTOMERS
Geonames users are anyone who needs to find a named location or determine the official authoritative named places around a map location. Users are likely to include military, diplomatic corps, international business, humanitarian assistance, disaster response, commercial delivery, logistics, education, and tourism.

MINIMUM FUNCTIONALITY
Online - interact with the data from NGA and USGS
Offline - download a localized set of names within a vicinity (e.g. city) to the mobile device for offline use
Query by name, country, category of name and location

CREATIVE FUNCTIONALITY
Results - both tabular and map display, with the ability to quickly use names and locations in other apps, web sites, texting, email, and social media.
Conversion between latitude & longitude and other common location designations such as a place name, degrees/minutes/seconds vs. decimal degrees, GARS & MGRS cell, what3words, hashtag, and UTM grid zone.
Navigational directions from a geoname location to another location (geoname or other).
Crowdsourced alternatives and corrections to standard geonames, such as open street map.
Translation of geoname between English name, localized name, and other languages.
Depict geonames graphically to reduce complexity while improving discovery and understanding of names and variants.

ABOUT NGA
NGA provides timely, relevant, and accurate geospatial intelligence (GEOINT) in support of national security. NGA’s strategy takes into account NGA’s need to be agile in supporting multiple mission areas, including support to military and intelligence operations, intelligence analysis, homeland defense, and humanitarian and disaster relief, and to retain its focus on intelligence and defense priorities, including counterterrorism, counterproliferation, cyber, anti-access/area denial, and global coverage.

TECHNICAL SPECIFICATIONS
Platforms – iOS phones, iOS tablets, Android phones, Android tablets
Online – Interact with web services and online sources of data
Demonstrate the ability to work in a disconnected work environment

SUCCESS FACTORS
A successful app will meet the IGAPP Test and Evaluation criteria of function and usability:
Response time less than 3 seconds
Pass the app code security check
As part of the program, IGAPP will collect metrics on app downloads as well as web and mobile app usage. Successful app developers will also respond to user feedback from the GEOINT App Store.

HOW TO PARTICIPATE
Register as a vendor at igapp.com, or contact us at: igapp_help@engility.com

FREQUENTLY ASKED QUESTIONS
How do I begin contributing and gain access to the data?
Complete an IGAPP application using the link at igapp.com. Once approved, developers will receive access to relevant data as well as an App Offering form.

How am I compensated for apps that are adopted and used?
On a per download basis at a negotiated rate. Other payment models may be available upon request.

Are apps restricted in the data they can gather from the mobile device?
Apps may not use or store any personally identifiable information (PII) about the app user.

Where are apps available for NGA customers to download?
All apps are hosted on NGA’s GEOINT App Store via: https://apps.nga.mil

NGA.mil
visit IGAPP.com for more information

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