



# HEMISPHERE SYNOPSIS

Hemisphere Project Summary  
Office of National Drug Control Policy

# What is Hemisphere?



HIGH INTENSITY DRUG TRAFFICKING AREA  
Office of National Drug Control Policy

- The Hemisphere Project is a *law enforcement sensitive* subpoena compliance program funded by HIDTA/ONDCP
- The lynchpin of the program is a telecom proprietary database that contains call detail records available in a near real-time basis
- Experienced Hemisphere analysts are able to use current and innovative tools that aid Law Enforcement in interpreting, disseminating and analyzing phone records
- An administrative subpoena is all that is needed to obtain Hemisphere results and work products

# Hemisphere



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Hemisphere provides multiple carrier call detail records in an unprecedented return time. The results include Hemisphere analytical work products and the data is preformatted for Penlink and Analyst Notebook. With an administrative subpoena, Grand Jury Subpoena, or California Court Order you can get:

- Electronic results in 1-5 days that include calls from multiple carriers
- Temporary roaming location data on targets when they make & receive calls
- Call detail records for international numbers without Legat assistance
- Access to a Hemisphere Analyst
- Hemisphere Special Features
  - Dropped phones- 94 % success rate in finding the new phone
  - Additional phones- use the same process to find unknown phones used by a suspect

# How Hemisphere Works



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Hemisphere has access to telecommunications switches that are used by telecom providers to guide telephone calls. This switch network allows Hemisphere to pick up the following types of calls, regardless of carrier:

- Local
- Long Distance
- International
- Cellular

**NOTE:** Hemisphere does not capture subscriber information

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## Specific Program Benefits: Turn-Around Time

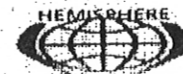


- Results can be returned in as little as an hour for requests involving exigent circumstances, with an average return time of 2-5 days for routine requests
- Results can include records made available only 2 hours after the calls originally took place
- Results are returned in an electronic format and the primary delivery method is email

### What this means:

Ultimately, time will be saved that would otherwise be spent waiting on toll records from a carrier that may or may not be useful for the case at hand, and data is available that would otherwise take days or weeks to be recorded on official tolls

## Specific Program Benefits: Data Available to Requestors



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- Most telecom providers retain records for 18 to 24 months. Up to ten years of data are available in the Hemisphere database
- Temporary roaming and location data is provided to requestors along with call detail records

### What this means:

Useful phone data that might be deleted out of traditional toll records systems as well as temporary roaming and location data will still be available through Hemisphere

## Specific Program Benefits: Special Features



Hemisphere analysts are able to return a number of unique products related to the requested call detail records. These products are offered at no additional cost.

Special Features include:

- Dropped Phones
- Additional Phones
- Advanced Requests

### What this means:

The special features offered by Hemisphere are services that are either offered by traditional carriers at an extreme cost, or not offered at all

## Project Features: Basic Results



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- **Temporary Roaming and Location Data** – When a mobile phone is roaming out of its home area, Hemisphere is able to provide location data on the phone that can aid investigators in tracking targets and placing them in certain areas at certain times.

**International Phones** – Hemisphere provides CDRs for a tremendous amount of international numbers that place calls through the Hemisphere switches. International calls can be defined as: domestic to international, international to domestic, and international to international. This information is provided in response to the standard Hemisphere administrative subpoena

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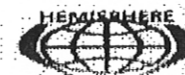
## Project Features: Special Features



- **Dropped Phones** - Hemisphere uses special software that analyzes the calling pattern of a previous target phone to find the new number. *Hemisphere has been averaging above a 90% success rate when searching for dropped phones.*
- **Additional Phones** - Hemisphere utilizes a similar process to determine additional cell phones the target is using that are unknown to law enforcement.
- **Advanced Results** - Hemisphere is able to provide two levels of call detail records for one target number by examining the direct contacts for the original target, and identifying possibly significant numbers that might return useful CDRs.



# Protecting The Program

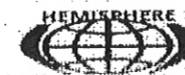


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Protecting the Hemisphere program is a formidable but necessary challenge. Because of the sensitive nature of the process, Hemisphere has taken the following steps to try and keep the program under the radar.

- **Training** -HIDTA ISC Points of Contact have been trained by a certified Hemisphere instructor. This training emphasizes methods and techniques put in place to protect the program
- **Use** - Hemisphere requests are vetted. Requestors must go through the designated Point of Contact for their HIDTA ISC and then be supervised on any subsequent requests until the P.O.C. feels comfortable with the proficiency of the user
- **Follow-up Phone Calls** - Requestors are systematically contacted regarding their Hemisphere experience. Protecting the program is discussed in each of the follow-up phone calls.
- **Solid Investigative Techniques** - Hemisphere users are trusted to use the data as a pointer system for their cases. It is expected that all Hemisphere requests will be paralleled with a subpoena for CDRs from the official carrier for evidentiary purposes

# Protecting The Program: Training



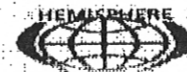
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As the Hemisphere program is rolled out across the country, there are many issues that must be addressed in order to ensure that Hemisphere reaches the maximum number of users while still maintaining the integrity of the information. For this reason, Hemisphere has developed a "train the trainer" approach.

- All Hemisphere requests must be submitted through a HIDTA ISC.
- Hemisphere Points of Contact are established for all HDTAs throughout the country by inviting various analysts to training courses held by a Regional Hemisphere Center.
- Once trained, the ISC POCs are then authorized to take the program back to their home HIDTA and may begin submitting requests to one of three Hemisphere Regional Centers.
- The POCs are also available to teach other analysts from their HIDTA how to submit Hemisphere requests and interpret the results.
- Throughout the entire process, the POCs will be able to remind the new users about protecting the program, and will be able to answer any questions new users may have. The POCs will also be able to contact their Hemisphere trainers directly at any time.

**NOTE: Regardless of requestor, Hemisphere requests must go through a HIDTA ISC**

# Protecting The Program: Parallel Subpoenaing



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Hemisphere data will likely produce a variety of different leads for an array of cases. These leads can be incredibly useful for case building purposes and as evidentiary supplements.

However, Hemisphere data will only indicate calls that hit the Hemisphere switches. Subpoenaing the complete CDRs from the carrier is the only way to view all of the calls made by the target. Additionally, a subpoena to the carrier is the only method of obtaining the official subscriber information. Therefore, the only way to get a complete and accurate picture of the target's phone activity is to subpoena and review a complete set of the carrier's CDRs.

When a complete set of CDRs are subpoenaed from the carrier, then all memorialized references to relevant and pertinent calls can be attributed to the carrier's records, thus "walling off" the information obtained from Hemisphere. In other words, Hemisphere can easily be protected if it is used as a pointer system to uncover relevant numbers.

## Protecting The Program: Official Reporting



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- DO NOT mention Hemisphere in any official reports or court documents.
- The official subpoena response (CDRs) from the carrier should be used instead
- If there are any questions about how to protect the program or how to "connect the dots" for reporting purposes, please call \_\_\_\_\_ HIDTA ISC POC for assistance and alternatives

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**HEMISPHERE IS LAW ENFORCEMENT SENSITIVE!**

## Protecting The Program: Exigent Circumstances



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In certain instances (kidnappings, urgent homicide investigations, threats to officers, etc.) we realize that it might not be possible to follow the preferred steps necessary to "wall off" the program.

However, when the mention of Hemisphere data in official documentation or court testimony is unavoidable, *Hemisphere should be contacted immediately at*  
*If the situation arises after regular business hours, please contact*  
*(Also contact HIDTA*

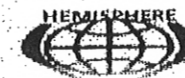
*ISC POC)*

Hemisphere will work with the investigator and identify the most effective way to lend proper case support while still protecting the program. In these special cases, Hemisphere analysts will continue to work with the investigator throughout the entire prosecution process in order to ensure the integrity of both Hemisphere and the case at hand. Hemisphere analysts might advise the investigator on issues such as report writing, presentation to the prosecutor, and the trial phase.

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# Submitting a Request



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- A completed Hemisphere request form, administrative subpoena, and rider should be faxed to the appropriate Hemisphere Regional Center by the ISC Point of Contact.
- Hemisphere assigns a control number to the request that should be referenced in any follow up communication.
- The Hemisphere processing team sends a confirmation email to the sender that includes the control number assigned to the request.
- The Hemisphere analyst will complete the request and return the results via email or express mail.

# Submitting a Request

## First Time Requestors



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If you are interested in submitting a Hemisphere request, but are a first time user, the following process should be expected:

- Contact your HIDTA ISC for assistance in finding the designated Hemisphere Point of Contact for your region.

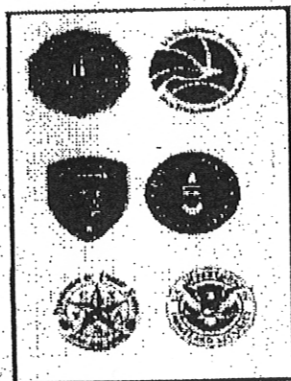
(PC HIDTA: Intel Analyst (b)(6), (b)(7)(C))

- If your HIDTA ISC cannot tell you who your Point of Contact is, you may reach out to your Regional Hemisphere Center for support
- The Point of Contact will help you create the necessary subpoena and request form. (The name of your Point of Contact *must* be listed on the request form!)
- If there are any problems with your initial submission, the Hemisphere processing Team will reach out to you and the designated Point of Contact so that you may make the appropriate changes
- Once the results are returned, the Point of Contact will walk you through the analysis process and be there to answer any questions

# Hemisphere Request Process



Law  
Enforcement  
Agencies



Agencies  
generate request  
forms and  
subpoenas

HIDTA ISC Point  
of Contact



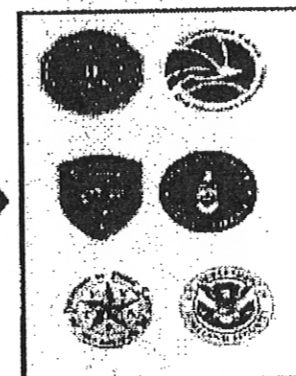
The HIDTA ISC  
Point of Contact  
supervises the  
request process for  
the Hemisphere  
Program

Hemisphere  
Regional Center



Hemisphere Analyst  
responds to requests  
and delivers results  
electronically

Law  
Enforcement  
Agencies



# Deconfliction Process



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- Each number submitted to Hemisphere will be deconflicted within the Hemisphere database
- This is an internal deconfliction process
- Target numbers, as well as every number they call and that call them will be cross checked against other Hemisphere results
- Notification will be by email if applicable
- The email provides contact information for all requestors
- Sensitive case information is masked
- The Hemisphere Deconfliction notification is a *pointer system only!*

# Hemisphere Summary



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- The Hemisphere Project is a *law enforcement sensitive* program funded by ONDCP
- There are three Regional Hemisphere Centers: Atlanta, Houston, and Los Angeles
  - Atlanta accepts requests from all HIDTA ISCs in the Atlantic and Eastern time zones
  - Houston accepts requests from all HIDTA ISCs in the Central and Mountain time zones
  - Los Angeles accepts requests from all HIDTA ISCs in the Pacific, Alaskan, and Hawaiian time zones as well as Nevada and Arizona.
- Requests must always be submitted through a HIDTA ISC using an approved Hemisphere Point of Contact
- Hemisphere results can be returned via email within an hour of the subpoenaed request.



# Hemisphere Summary



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- The Hemisphere database contains call detail records that are available in a near real-time basis. CDRs are available two hours after the call has been placed.
- The Hemisphere program has access up to 10 years of CDR data
- Hemisphere can capture data regarding local calls, long distance calls, international calls, cellular calls
- Hemisphere does NOT capture subscriber information
- Highlights of any basic request include:
  - temporary roaming and location data, and traffic associated with international numbers
- Hemisphere Special Features include: dropped phone analysis, additional phone analysis, and advanced results

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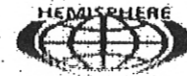
# Hemisphere Summary



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- Proper protection of the program is ensured by establishing approved Points of Contacts for every HIDTA nation-wide and following the approved system for submitting requests
- As a best practice, parallel subpoenas should be generated for every target number submitted to Hemisphere
- Hemisphere should be considered a pointer system only, and mention of the program should never be included in official documents or court records
- Results are returned in several formats that aid the analyst/investigator
- Hemisphere provides deconfliction within the Hemisphere database

# To Catch A Predator



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CS on the Run . . .



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6, 7(A), 7(C) + 7(E)

# New York State of Mind



HIGH INTENSITY DRUG TRAFFICKING AREA  
Office of State and Federal Criminal Justice

6, 7(A), 7(C) + 7(E)