



## AMASearch

Telegence Corporation has capitalized on its experience in collecting AMA and CDR data by developing a one-of-a-kind AMA/CDR data mining tool.

Telegence's AMASearch solution allows detailed data mining of all types of CDR data by effectively dissecting all the critical billing fields contained within the AMA/CDR records.

The AMASearch engine, unlike other products, is not limited by the number of records or the diversity of fields within the call record.

### Powerful Record Search Parameters

AMASearch examines the AMA/CDR records generated by the switch to find and filter any desired field in the call record. All available AMA/CDR fields may be selected at a time in a search specification. Additionally, the search criteria may include the number of characters in the search string. For example, Calling Number is a field of 7 characters. If the user enters 23456 then all numbers from 2345600 to 2345699 will match. If more than one CDR field is selected as search criteria, then all selected fields must match for the record to be considered as a match.

### Matched Record Report

The AMA/CDR record search feature allows the user to establish a search criteria for records in the AMA/CDR input and output the matched records in a report. It features the capability to search n #'s of a field value.

Reporting is facilitated greatly by the ability to select as many of the available CDR fields as the output format control. The output is formatted in the order of the selected CDR fields. Automatic trailing character wildcards are supported.

### Modes of Operation

There are two basic modes of operation:

The first mode is to search for records and generate the report at a later time (search now and report later).

The second mode is to search for records and report on the matches as they are each individually discovered (search and report now). This mode is practical for quick searches or for search and/or output format testing.

### AMASearch Tool Features

- Minimal System Administration & Training Requirements.

### Benefits & Advantages

The principal advantage of the AMASearch engine is that it is not hardware dependent. It is designed to operate in the UNIX/ Linux environment.

CDR types supported include AMA, UCS, NEAX, etc.

Current processing throughput is up to 12,000 records per second (Pentium IV platform).

# Sample AMASearch Report

## CDR Record Search Results

Input File is:/opt/telegence/etc/U000000  
Report Date: Wed Nov 17 11:55:44 200



### Search Criteria:

Search: Originating NPA .586.  
Search: Originating Number .5551234.  
Search: IC/INC Identification .0288.

### Key to Columns:

- 01 Originating NPA
- 02 Originating Number
- 03 Terminating NPA
- 04 Terminating Number
- 05 Date (YMMDD)
- 06 Time HHMMSS.s
- 07 Structure Code 5-digits nnnnn
- 08 Call Code
- 09 Sensor Type
- 10 Sensor Identification
- 11 Called Party Off-Hook Indicat
- 12 Service Feature Code
- 13 Overseas Indicator
- 14 Elapsed Time 0MMMMSS.s
- 15 IC/INC Identification
- 16 Trunk Group Number

### About Telegence Corporation

Telegence provides the telecommunications industry with reliable and proven hardware and software turnkey solutions for CDR/AMA data collection, mediation, processing and revenue assurance.

Please visit our web site to learn more.  
<http://www.telegence.com>

Record	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
0000001	586	5551234	00729	2952059	40830	1858221	40625	110	036	0000322	0	000	0	000000286	02881	40178
0000002	586	5551234	00729	2938383	40830	1859086	40625	110	036	0000322	0	000	0	000000268	02881	40178
0000003	586	5551234	00612	3460939	40830	1900166	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000004	586	5551234	00923	4514584	40830	1900464	40625	110	036	0000322	0	000	0	000000090	02881	40178
0000005	586	5551234	00745	6750700	40830	1901136	40625	110	036	0000322	0	000	0	000000288	02881	40178
0000006	586	5551234	00767	8919595	40830	1902050	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000007	586	5551234	00289	9088551	40830	1902234	40625	110	036	0000322	0	000	0	000000103	02881	40178
0000008	586	5551234	00790	1231691	40830	1903099	40625	110	036	0000322	0	000	0	000000025	02881	40178
0000009	586	5551234	00712	3441700	40830	1903580	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000010	586	5551234	00723	4528656	40830	1904136	40625	110	036	0000322	0	000	0	000000300	02881	40178
0000011	586	5551234	00734	5613874	40830	1905076	40625	110	036	0000322	0	000	0	000000260	02881	40178
0000012	586	5551234	00945	6745553	40830	1906150	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000013	586	5551234	00556	7848047	40830	1906326	40625	110	036	0000322	0	000	0	000000258	02881	40178
0000014	586	5551234	00267	8900976	40830	1907201	40625	110	036	0000322	0	000	0	000000064	02881	40178
0000015	586	5551234	00878	9052154	40830	1907473	40625	110	036	0000322	0	000	0	000000224	02881	40178
0000016	586	5551234	00289	2121598	40830	1908522	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000017	586	5551234	00290	1271814	40830	1909218	40625	110	036	0000322	1	000	0	000000000	02881	40178
0000018	586	5551234	00201	2380600	40830	1909514	40625	110	036	0000322	0	000	0	000000082	02881	40178

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