Call Analyser

GB Analyzer

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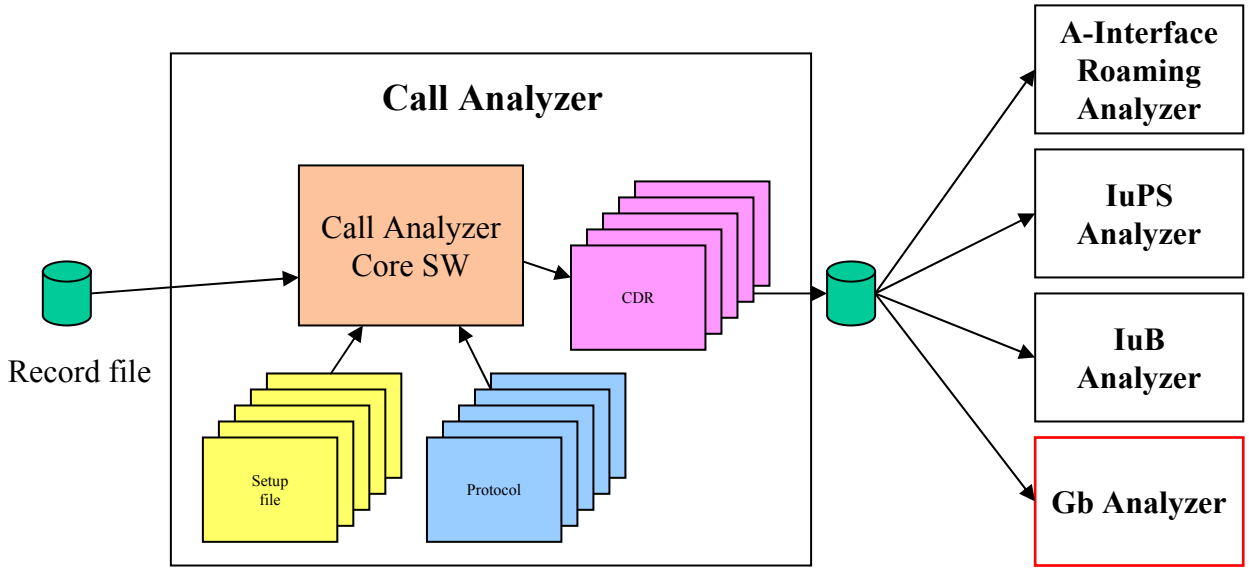
Call Analyzer product family



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GB Analyzer

- Analysis of the performance of the GPRS network
- Analyses both own subscribers and roamers
- Key features:
    - Complete analysis of routing area update
    - Complete analysis of attach and PDP activation
    - Analysis of traffic patterns per protocol
    - Throughput rates per protocol, per cell and per user
    - Analysis of higher layer protocols
    - Throughput per cell
    - Detailed analysis of failures
    - Easy access to protocol data

- Can use data from Gb, Gn, Gp or Gi interface.
- Functions depend on the protocol

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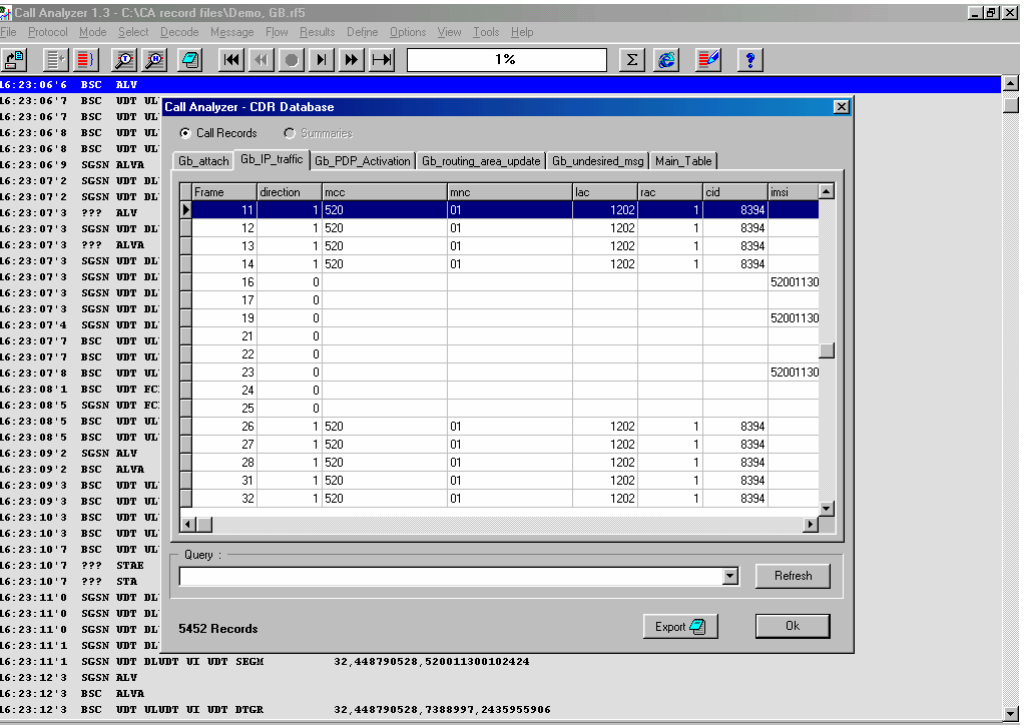
Based on CDRs from Call Analyzer



- Easy to add new features
- Protocols already available
- User defined flows for generation of CDRs
- Data are available for detailed analysis
- Flows and events from the Gb analyzer are available for search and filter
- Fast implementation of new features

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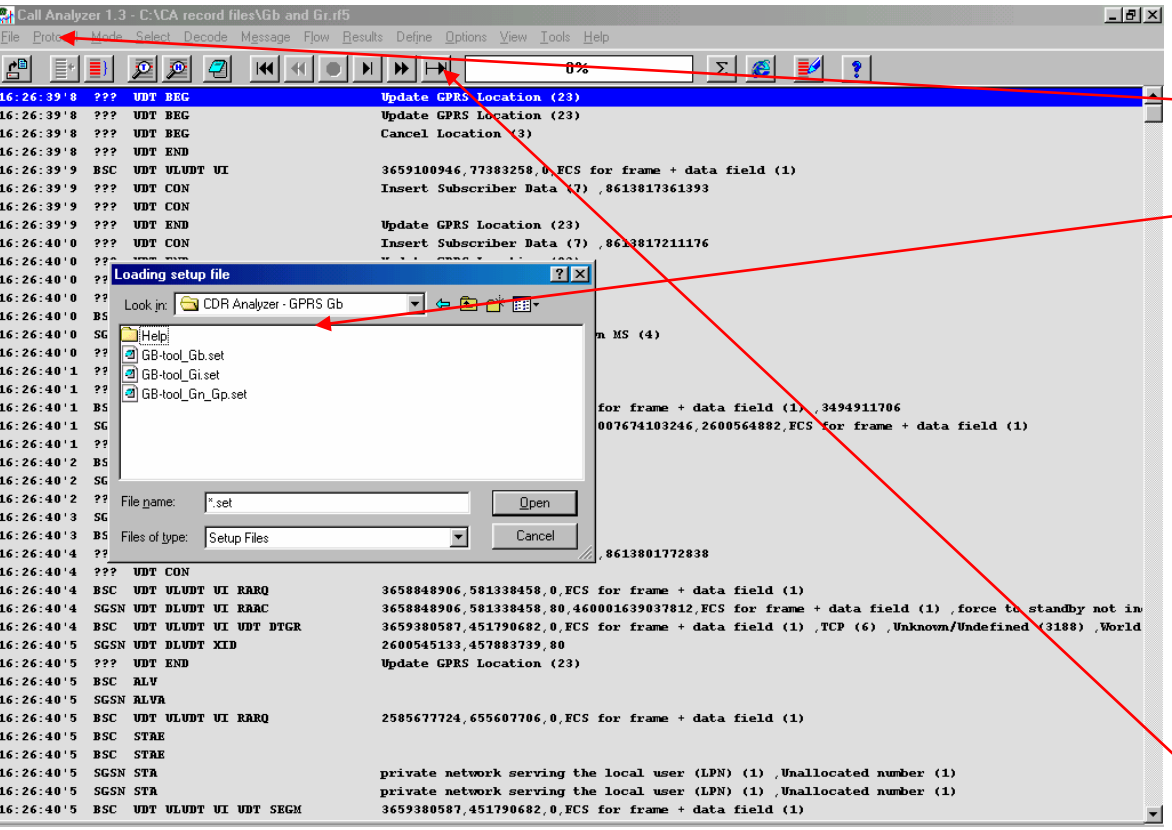
Generating CDR with Call Analyzer



1. Load the relevant protocol

2. Load the relevant setup file.

NOTES:

Setup files are loaded from the folder where the tool is installed

Functions depend on the protocol

3. Scan the file

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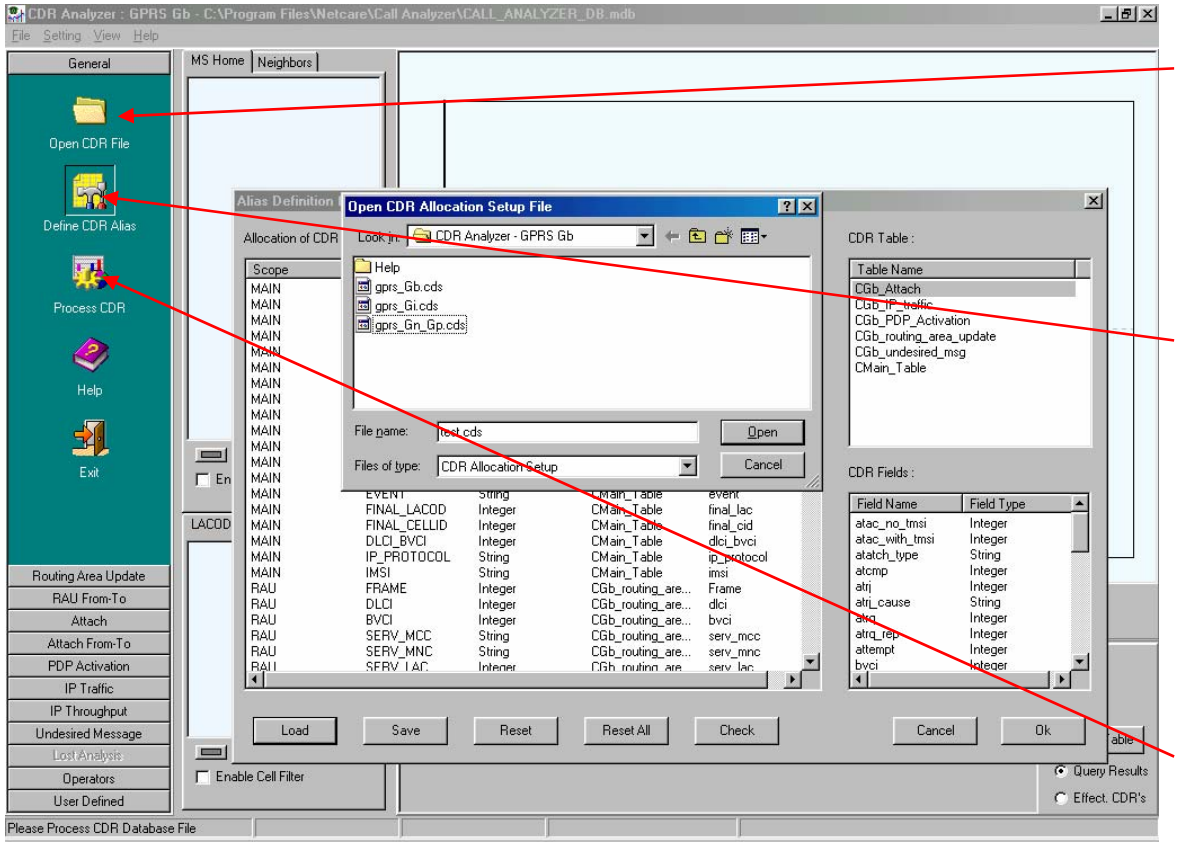
Processing the CDRs



1. Load the CDR file.

Call Analyzer generates: c:\program files\netcare\call analyzer\Call_Analyzer_DB.mdb

2. Load the relevant .cds file

NOTE:

By saving the .cds file it is always selected until a new .cds file is loaded

3. Process the CDR

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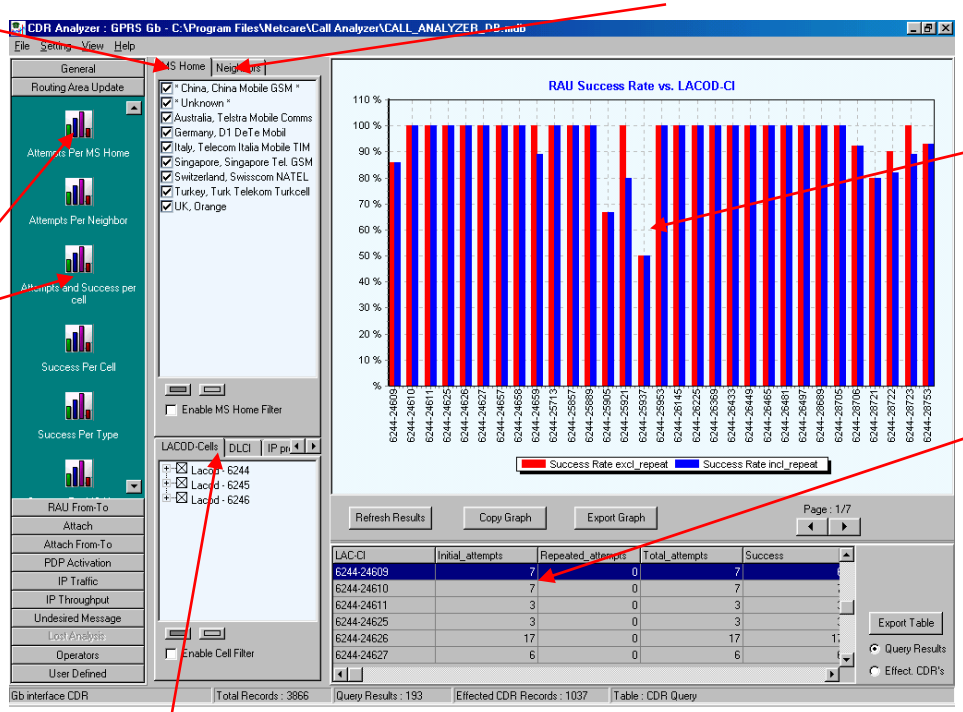
General functions

Apply filter for home network

Apply filter for the last network the subscriber was active in (e.g. to see only subscribers taken from a competitor)



Graphical results

Select function

Tabular results

Apply filter for LACOD-cells, DLCI, IP protocol or IP address

All filters can be activated for all reports

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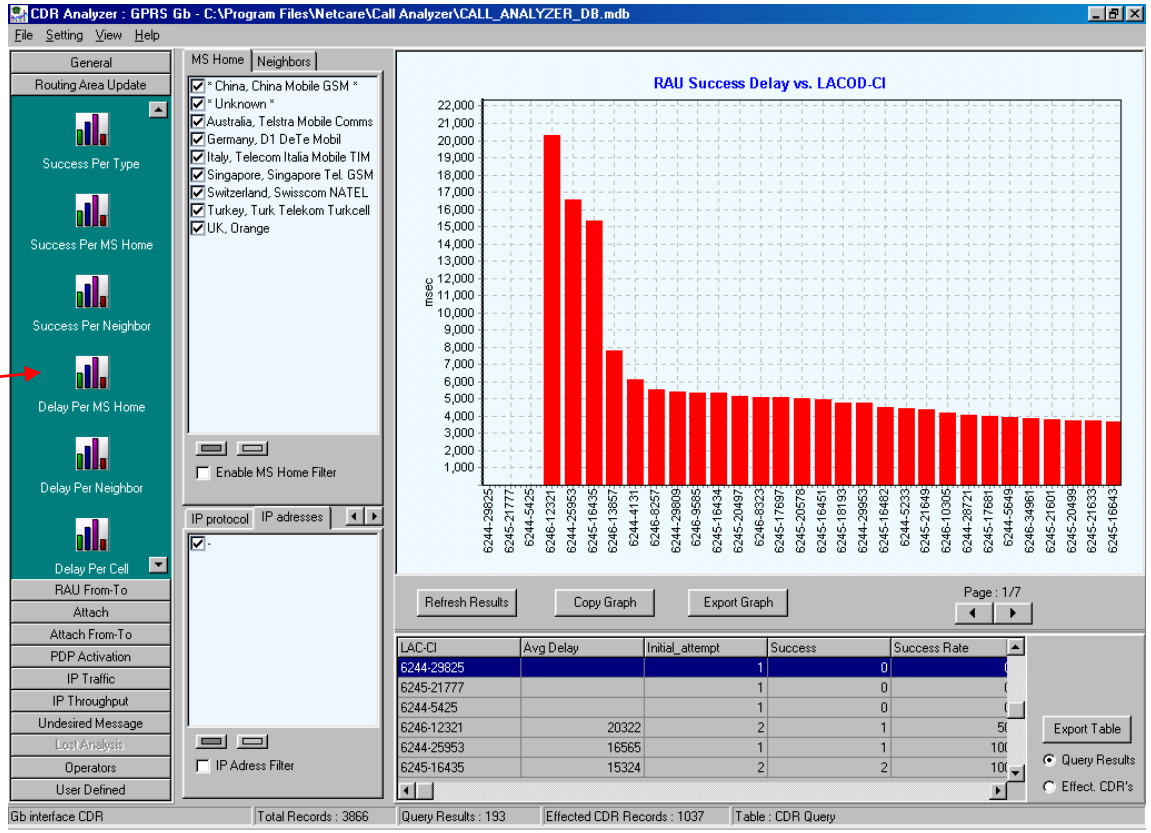
Routing Area Updates

Select:

- **Per cell**
- **Per MS Home**
- **Attempts**
- **Success**
- **Rejects**
- **Delay**
- **Etc**



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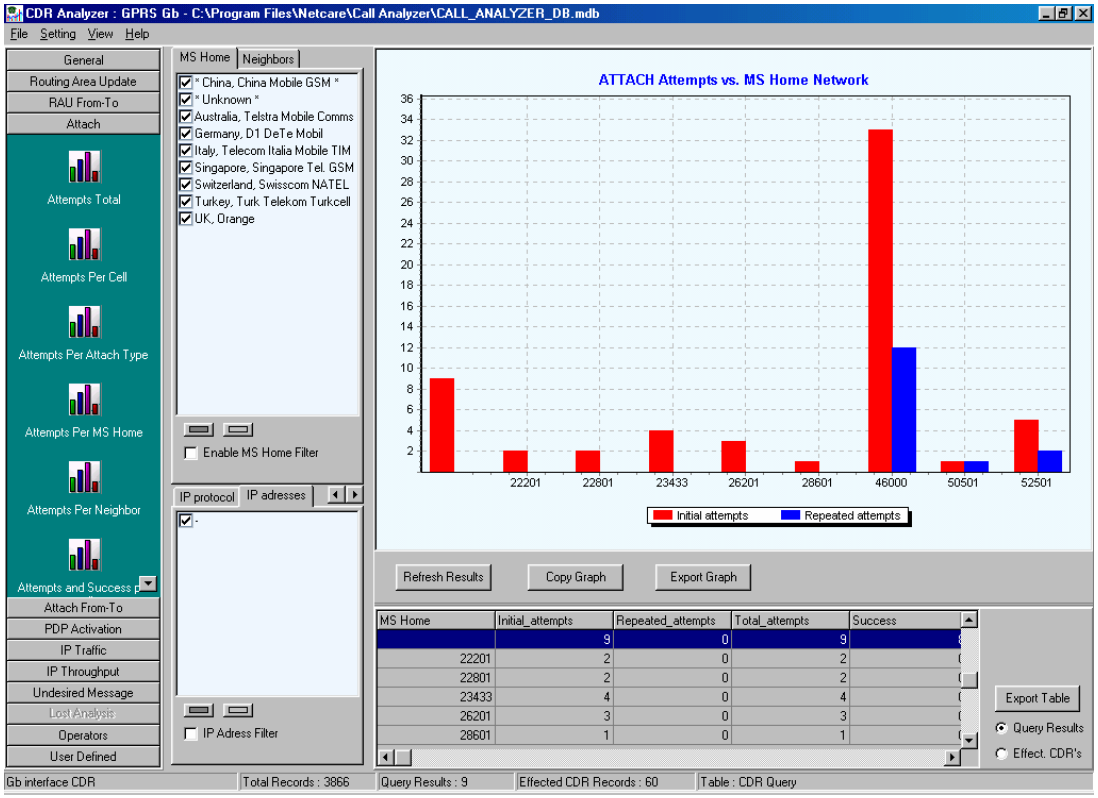
Attach Analysis



Find out all details about attach and attach failure in your network
e.g. per cell, per type, per MS home, per neighbour, per failure cause etc. etc.

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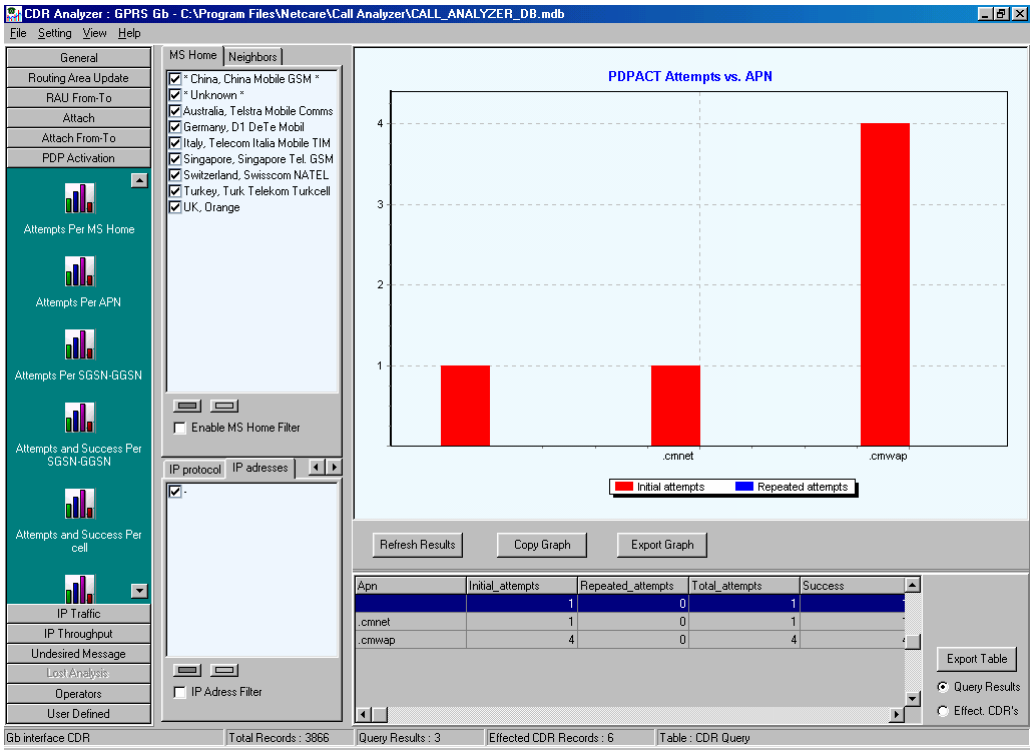
Analysis of PDP activation

Select:

- **Per cell**
- **Per MS Home**
- **Attempts**
- **Per SGSN**
- **Success**
- **Rejects**
- **Delay**
- **Etc**



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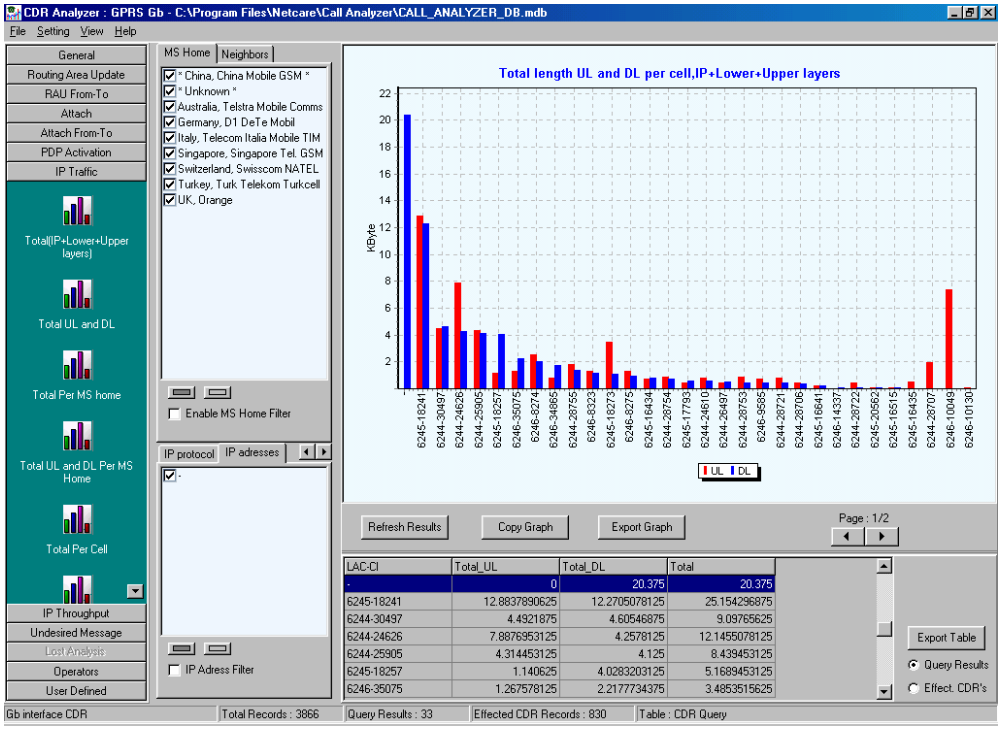
Traffic analysis



- What type of traffic is generated
- Traffic per cell
- Traffic per DLCI
- Traffic per roamer
- Total traffic uplink and downlink
- Uplink and downlink traffic per protocol
- Etc.

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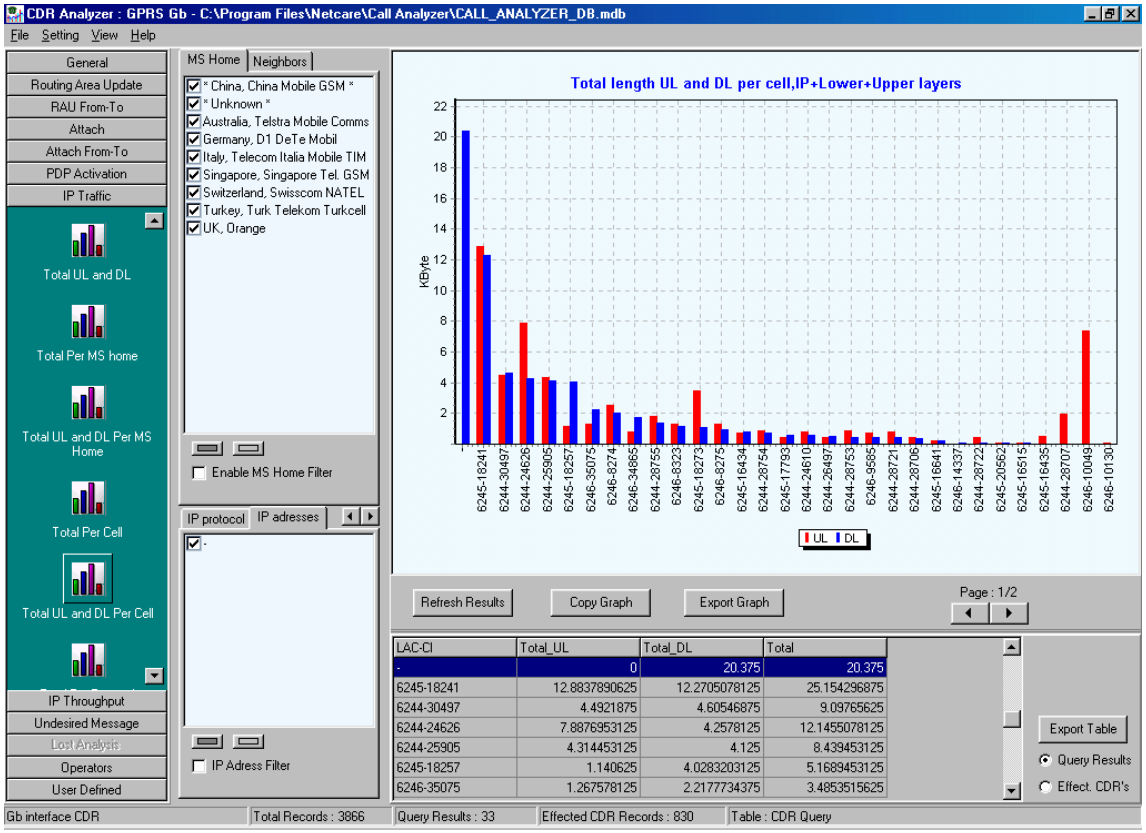
Traffic per cell



Detailed analysis of traffic and traffic types per cell

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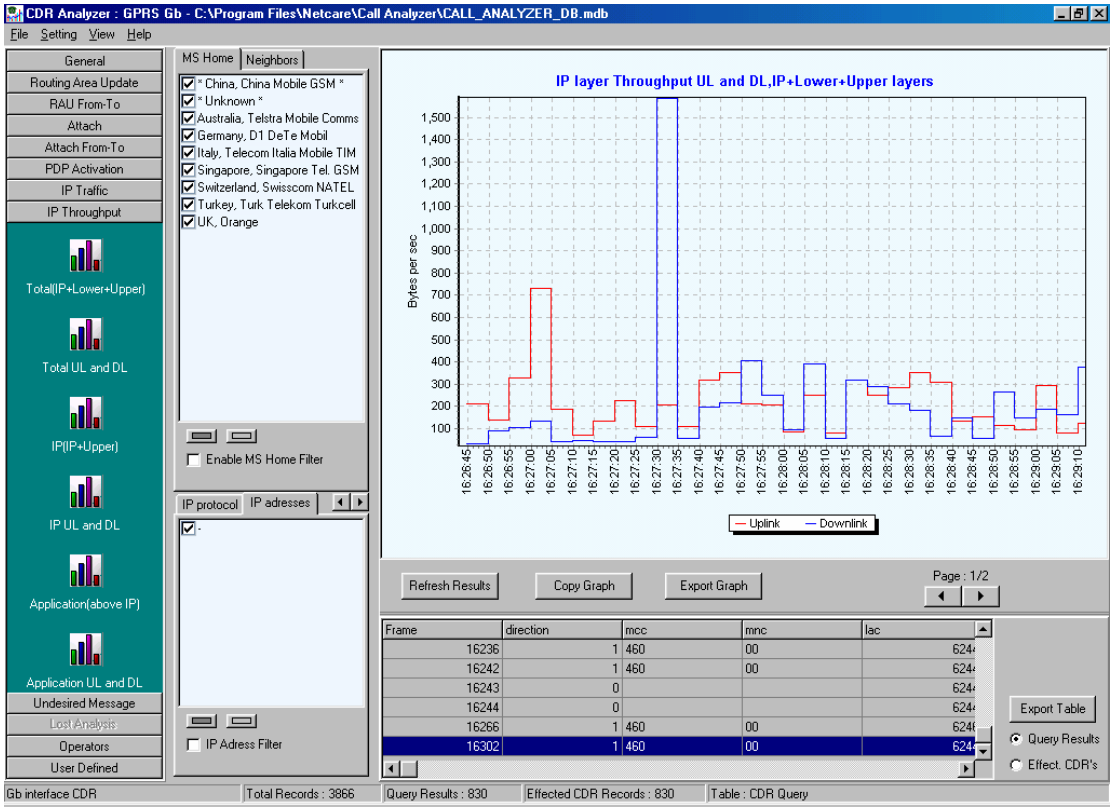
Throughput analysis



See throughput per protocol, per cell, per DLCI or any other analysis of throughput rates

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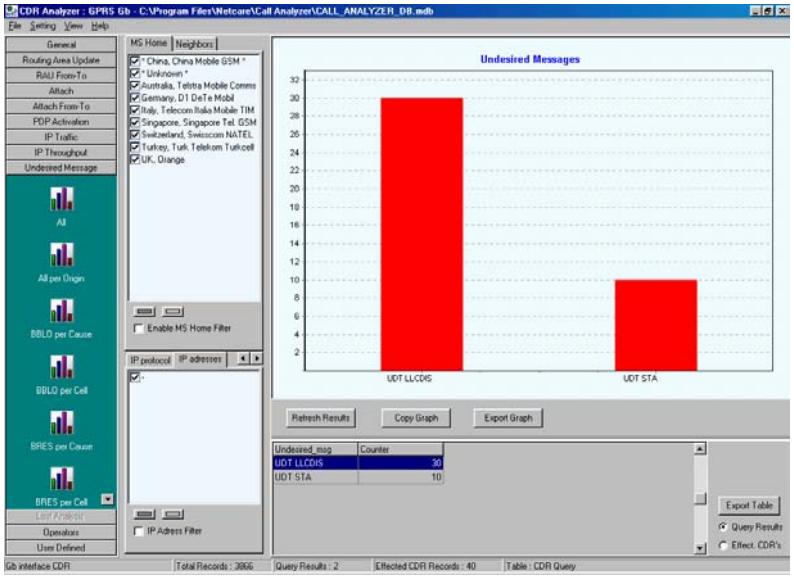
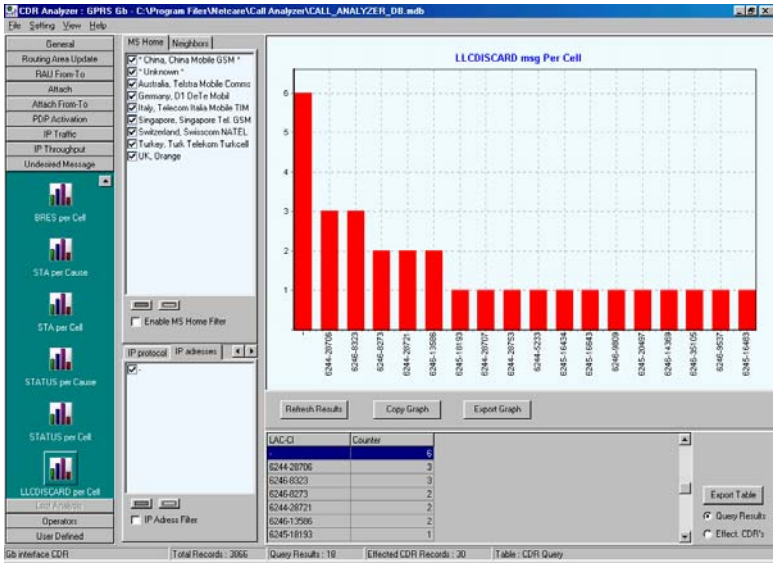
Network problems





Easy trouble shooting when the failure type and the location (e.g. cell) can be selected

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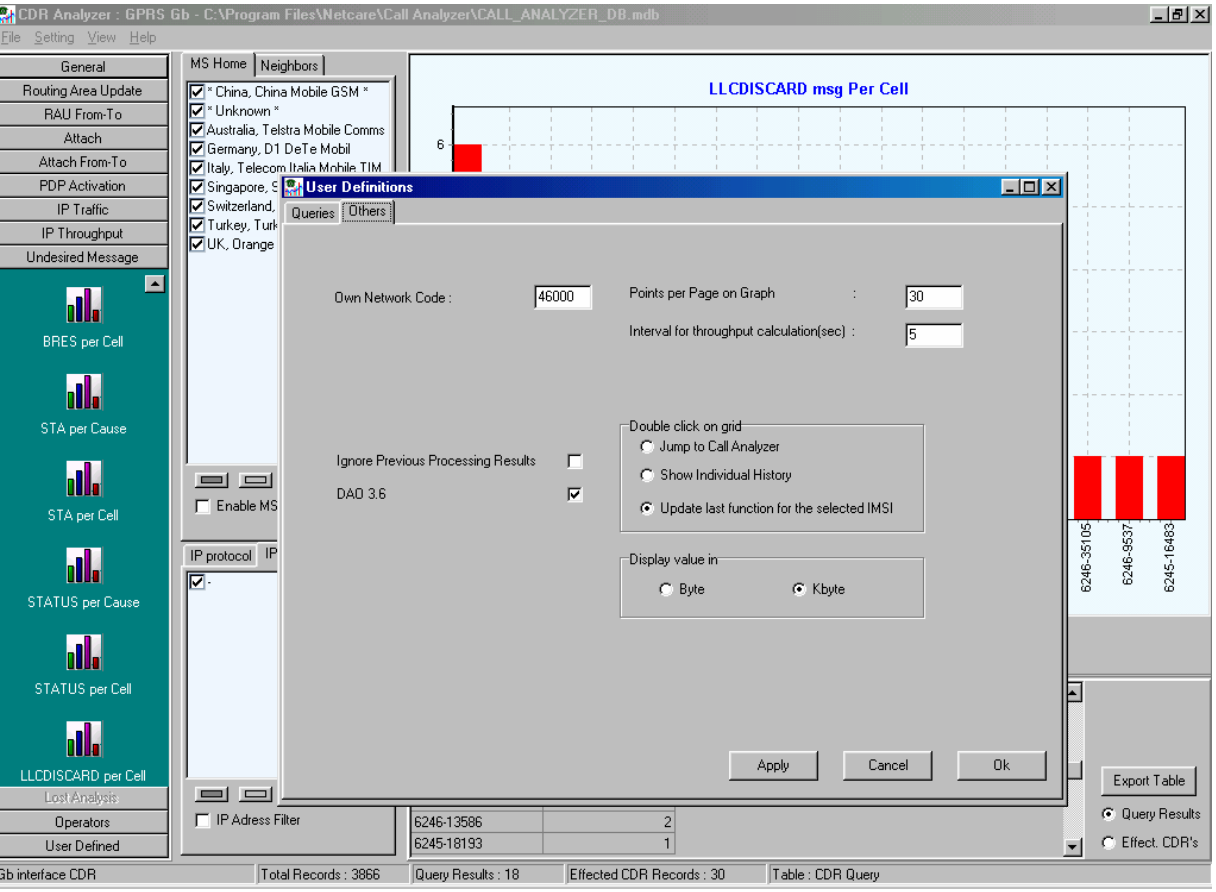
Detailed results



In settings you can select if a double-click on a CDR should jump to Call Analyzer to display the transaction for the selected CDR or if you want to see individual history of the subscriber

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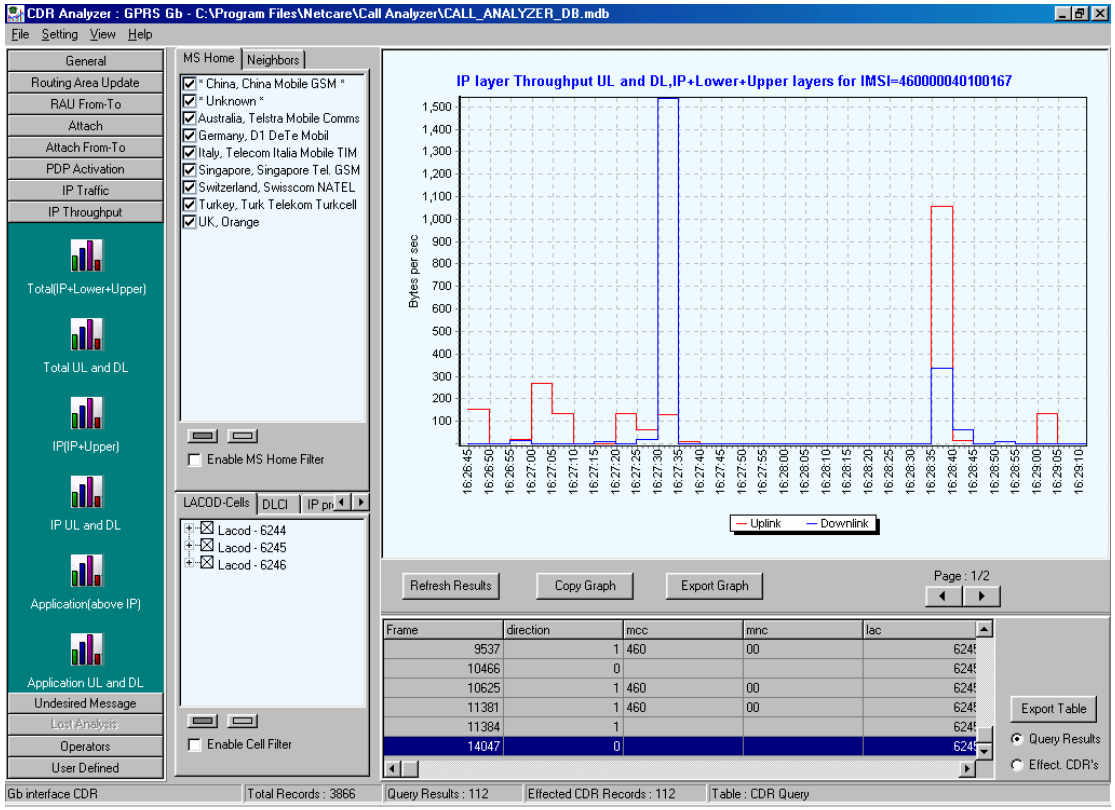
Subscriber details



If “show individual history” is selected activities like throughput can be seen per subscriber

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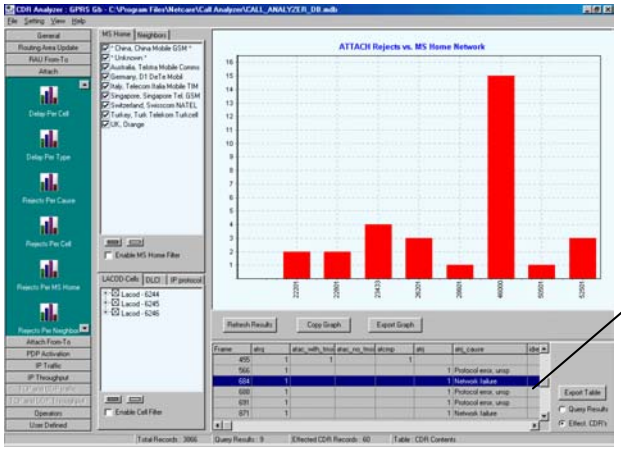
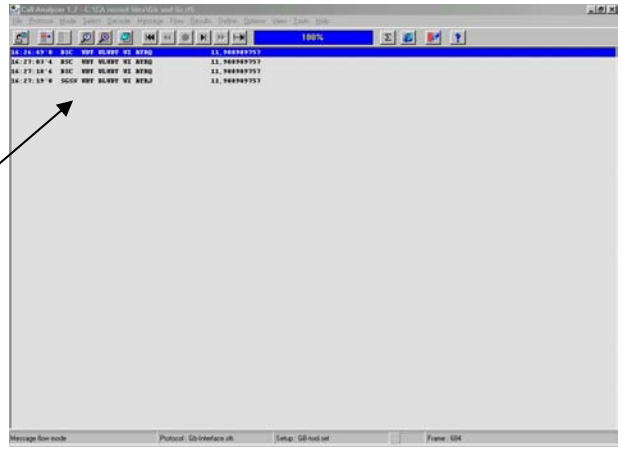
Call trace





A simple click to see activities per subscriber in CDR listing, and a simple click on the CDR to give you the protocol details

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