



Data Clearing House for GSM

Facilitates enhanced decision making through comprehensive financial, marketing and statistical reporting, while improving revenue assurance through extensive data checking and fraud detection.

Syniverse's mobile roaming data clearing capability supports the latest GSM TAP standards and complies with the latest GSM Association processing tools that help ensure all TAP records are processed securely, consistently and in the most expeditious manner.

Benefits of Data Clearing House

- Facilitates enhanced decision making through comprehensive financial, marketing and statistical reporting
- Improves revenue assurance through extensive data checking and fraud detection
- Minimizes resources required to handle roaming accounting
- Reduces communication charges through alternative data clearing solutions
- Improves operating performance with one-stop solution for data clearing and settlement needs
- Latest GSM standards ensure clearing and settlement of future enhanced services
- Enhances customer experience with dedicated support person for every account

Features of Data Clearing House

Rating and re-rating functionality – Syniverse DCH gives operators the option to provide rates according to specific bilateral or multilateral agreements, along with Inter Operator Tariffs (IOT). In addition, this solution allows more complex rate-adjustment functions, based on a variety of flexible, configurable parameters.

The optional rating solutions assist in revenue assurance, providing the ability to allow critical IOT information to be fully managed, stored and integrated into the validation and rating processes. This increases an operator's ability to maximize revenues by rating or correcting data before it is passed on. Additionally, the optional re-rating solution can be used to further maximize revenues, while providing the flexibility to perform simple mark-up or more complex re-rating of incoming TAP files.

Fraud/high-usage management – Fraud is one of the largest problems facing GSM operators, so Syniverse's DCH incorporates the latest standards and compliance in fraud management and protection to help identify potentially fraudulent behavior early in the clearing life cycle. DCH meets the latest industry standards with the necessary flexibility to evolve and incorporate as new standards are developed and implemented. Features include:

- Compliance with all standards and requirements defined by the GSMA
- Added functionality that allows the user to expand thresholds to include other values (i.e., charge, duration and data volume)
- The ability to differentiate between SDR thresholds for SMS, GPRS and voice



- Minimizes resources required to handle roaming accounting.
- Reduces communication charges through alternative data clearing solutions.
- Improves operating performance with one-stop solution for data clearing and settlement needs.
- Includes rating and re-rating functionality and fraud/high usage management.
- Provides comprehensive web-based reporting

- Configuration that can be done on a system level as well as on a roaming agreement level
- The capacity to develop and deliver customized analysis reporting

Comprehensive web-based reporting – Online reporting access provides the flexibility required to meet an operator’s constantly changing needs for financial, file history and usage reporting. This comprehensive reporting tool enables operators to easily select from a suite of reports. The GSM operator gains:

- The ability to manage and determine administrative privileges for report access
- A safe and secure interface
- A convenient, centralized and functional reporting capability
- Access to multiple download options
- Flexibility to view any report, customized or standard, via the web interface

Enhanced customer-focused service support – Leveraging Syniverse’s industry-leading approach to customer care, operators benefit from an individualized, customer-focused relationship, supported by a dedicated and experienced GSM subject matter expert, allowing for a rewarding customer experience.

Revenue assurance and financial analysis – Syniverse assists operators in maximizing revenues and ensuring billing accuracy through rating, HUR and IOT management. In addition, data analysis can be managed through the reporting functionality. DCH is capable of managing associate returns and rejection (RAP) processes, which allow for issue resolution that often assists in reducing revenue leakage and revenue recovery delays.

TAPir – TAP and RAP are the two most prevalent methods of exchanging billing data and controlling information between mobile operators and data clearing houses within the GSM roaming environment. Syniverse’s TAPir (TAP/RAP information rendering) service enables a user-friendly interface for data browsing and TAP/RAP file navigation. TAPir is a platform-independent desktop application that is fully compatible with TAP and RAP file-billing methods. Features of this application include:

- Tools to manage roaming billing data in a more advanced and efficient way.
- A search function that enables operators to search for call event details, and display and edit their structure and values.
- The ability to view and modify large TAP files with conventional functionality, such as cut, copy and paste.
- Tree list and table presentations.



About Syniverse

Serving more than 900 mobile operators, cable and Internet providers, and enterprises in over 160 countries, Syniverse offers market-leading solutions that simplify the complexities of roaming, messaging, network interoperability and business intelligence for mobile operators, MSOs, enterprise verticals and emerging mobile providers.

Pegged rate checks – This optional tool enables operators to choose up to five recipients to receive email notifications when exchange rates fluctuate by more than 5 percent. The application works through a UNIX shell script and an Oracle PL/SQL package. The scripts begin automatically every day when new actual exchange rates are downloaded into the Syniverse system.

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