सी-डॉट
C-DOT

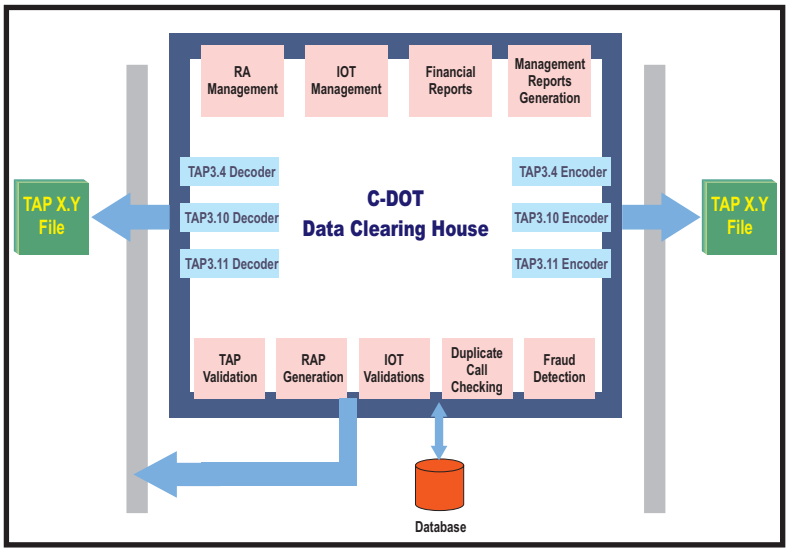
Data Clearing House Services

The evolution of the roaming services between the operators nation vide as well as International has led to the processing of extensive amount of roaming CDRs per day. This requires an extremely flexible and high performance data clearing house. The overall revenue between the operators needs to be measured as it becomes a critic point for revenue and costs.

C-DOT Data Clearing House is a versatile and flexible solution based on the GSMA specifications and guidelines. C-DOT with its dedicated team of high caliber computing and software professionals and world class infrastructure, is well poised to meet all your customization requirements and provide life time support. The services are carried out in a safe and reliable way and in accordance to time scales and transfer frequencies setout by GSMA specifications. C-DOT Data Clearing House is the interface to the operators to exchange billing information of the roaming calls between them. Besides billing information exchange it provides many other services to its customers like TAP format conversion, TAP files validation, tariff checking, fraud detection, invoicing, roaming agreement management.

SALIENT FEATURES

- C-DOT Data Clearing House has modules for processing volumes of subscribers roaming CDR data (according to the latest GSM Transferred Account Procedure and Rejects And Returns Process) and exceptionally flexible and high performance engine for ASN.1 based TAP files.
- Supports validation and conversion to and from any known TAP formats defined between the roaming partners.
- Data Validation: Flexible handling of errors. Only bad data from a file containing good and bad data is removed (such as duplicates), allowing the remainder of the file to continue to be processed without interruption. Distinction is set between "Warning", "Severe" and "Fatal" error levels.
    - Identification of duplicate call records.
    - Along with other errors reporting of errors on file aging and call aging
- Fraud detection and prevention
    - Provides High Usage Reports (PMN wise) based on client defined thresholds for GPRS, Voice, SMS



- ♦ Consolidated HUR for the operator
- ♦ Migration to NRTRDE (Near Real Time Roaming Data Exchange)

- Management Reports

  Various management reports related to data clearing like TapRap Report, Daily Analysis Report, Minutes of Usage Report, File Tracking Report are generated for customer. Customized reports can also be generated as required by the customer.
- Financial & Bilateral Settlement Reports
- Invoicing (flexibility of billing cycles and PMN wise invoice generation)
- Web based access to clearing house for accessing reports, invoice.
- GUI based file PUSH and PULL with file transfer status.
- Online RAP viewing
- IOT Validation, Configurable Inter-operator tariffs
- Calling & Called number validation
- Provision to start/stop automatic download of TAPINs to HPMNO after validation & conversion
- Supports modification of large TAP files

BENEFITS

- Exclusive customized reports
- Early fraud detection
- Continuous support
- Ensures compliance to the industry standards
- 24 x 7 support for operations
- Web enabled access to reports and file status tracking
- Secure and timely exchange of data

C-DOT's Data Clearing House Services for GSM National Roaming are running successfully for BSNL and MTNL

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Centre for Development of Telematics

Telecom Technology Centre of Government of India
C-DOT Campus, Mehrauli, New Delhi - 110 030, India
Phone: +91 11 26802856 Fax: +91 11 26803338
Website:www.cdot.co.in