

MTNL, Convergent Project, India

The convergent project at MTNL requires interconnect settlement with all the existing operators in Delhi and Mumbai according to the different types of telecom services provided by MTNL (GSM, CDMA, PSTN, Broadband, IPTV, VoIP, etc).

While MTNL had an active and growing subscriber base, it was dependent on meter-based pulse readings for interconnect settlements which were inaccurate resulting in a substantial loss of revenue. In addition, TRAI, the Government of India regulatory body for telecom operators mandated CDR-based interconnect settlements and reporting for operators within the fixed line, GSM and CDMA lines of business. MTNL was looking for a reliable solution that would deliver accurate, interconnect billing in the shortest possible timeframe, as well as settle reconciliations and disputes without manual intervention.

The following modules of InterTrace have been provided to MTNL:

- Acquisition
- Normalization
- Rating
- Invoicing and Accounting
- Recycle Manager
- Output Manager
- Reporting
- Reconciliation
- Archiving

Some key features of InterTrace are:

- Support for wireline & wireless services for both prepaid and postpaid segment
- There is no logical limit to the number of operators, network elements, services or hand-over points.
- Special short term and one-off charges (configured ahead of time) calculated on the day (Christmas and special holiday charging for example)
- Converts billing event files from their raw input format into a standard format
- Store and filter CDRs as per user defined criteria.
- Pass-through converters for standard format
- Originating and/or Terminating partner or provider (carrier, content provider or subscriber) charging
- Special Treatment for Long Duration and High Volume Events

Xalted provided MTNL with InterTrace, an interconnect settlement solution for fixed-line and GSM connections through the Managed Services model.

Bills are generated for both incoming and outgoing scenario. A convergent account system is also provided with InterTrace which produces TRAI reports in the required format.

The hardware platform over which the system is hosted includes IBM p570 series servers using Oracle 9i database.

The functional acceptance of InterTrace has been completed and the system is live in Mumbai.

Reference:

1. Ms. Reena Malhotra, DGM-IT, MTNL, Delhi
Email: reenamalhotradelhi@indiatimes.com
2. Mr. Balasubramanian, CAO, MTNL, Mumbai
Email: aoiucb@mtnl.net.in

Note:

1. Xalted need to inform the above officers, prior to contacting them directly.
2. Figures mentioned above are as on August 2008