**Metrics**

**As a service consumer, I want "context" about the transaction to be captured along with the logged request, so that I can easily compare infrastructure resource utilization, latency and traffic patterns so I can provide analysis that contributes to providing the optimal service offering Neustar can to its customers.**

**Acceptance Criteria:**

The fields logged should include

o   Timestamp of request/initiation (GMT)

o   Timestamp or duration of response

o   Request/response sequence identifier

o   Status result of the request

o   Customer information or location that initiated the request

-  A framework for documenting each field (name, description, possible values, enumerations,…)

**As a service consumer, I want an easy to query set of datastores so that I can focus on analysis versus mechanics of accessing data.**

Acceptance Criteria: Log every transaction in a format similar to the CDRs or Ultra Advanced Reporting

o   A log file is a good start

o   It would be nice if there were standard DBs or DW repositories that can be rapidly utilized around the standard format being used.

-          The fields logged should include

o   Timestamp of request/initiation (GMT)

o   Timestamp or duration of response

o   Request/response sequence identifier

o   Status result of the request

o   Customer information or location that initiated the request

-          Apply the same principles to all logging (e.g. Access logs)

-          Wherever there is standard monitoring implementations, please log all monitoring results, at least for a duration of one week, so they can be harvested for metrics.