**A`PPENDIX A**

**Asset Tracker Database**

**DATABASE REQUIREMENTS**

Security

* The database solution must comply with current Sony GISS/GISP security requirements
* Users must be authenticated and required to provide username/password to access system

Permissions

* Database must be accessible by all of SME’s business units, including international affiliates
* Database must support different user access privileges (*i.e,* read only, read/write, admin)
* Admin account must be able to designate access privileges
* Data must be refreshed in real-time [displayed in real-time] for all viewers
* Users with appropriate accounts privileges can create new entries and modify existing data
  + Fields must have auto-populate functionality

Ex1: When a user types in the service name in the search field, the database should auto-complete with the closest matching name.

Ex2: When a user inputs the service name in the submission form, the database should auto-complete with an already existing service name.

Application Type

* UI must be accessible via web based access including desktop and mobile (*i.e.,* HTML5)

Data Structure

* Each database entry must be associated to a Service Name (*e.g.*, The Pirate Bay, RapidShare).
* Database must associate multiple different versions of a Service Name to one master Service Name (*e.g.*, thepiratebay.gd and thepiratebay.se are both under The Pirate Bay service listing). E.g. parent child relationship for all ‘Service Name’ entities.
  + Please keep in mind that there may be multiple service updates for one iteration of the service but not another (*e.g.* thepiratebay.gd is removed while thepiratebay.se opens).
  + While there may be multiple versions under a Service Name, each version should retain its own values (*i.e.,* no joining of values under one Service Name).
* Database properties must be editable
* Database fields should include:
  + Service Name Parent
  + Service Name Child
  + Service Type
  + URL
  + Developer
  + Platform
  + Date Identified
  + Issue/Violation
  + Date Actioned
  + Action
  + Status
  + Estimated App Downloads
  + Financials
  + Total Unique US Visitors (000)
  + Total Unique WW Visitors (000)
  + Comments

Viewing Requirements

* UI must support basic viewing requirements
* UI will display the current status of a service based on Service Name and/or specific date ranges
* UI will display the most recent action for each service and, by clicking the entry, any prior events/actions associated to Service Name will be displayed
  + UI must support a Viewable Hierarchy based on date or by Service Name
* UI must allow users to search database by Service Name
* UI must allow users the option to sort, order and filter by fields, rows, and columns

Reporting Requirements

* UI will support export function of all active fields on viewer’s screen in Excel format
* UI will support copy and paste functionality